Drinking Water Surveillance Program

WALLACEBURG WATER TREATMENT PLANT

Annual Report 1989



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WALLACEBURG WATER TREATMENT PLANT

DRINKING WATER SURVEILLANCE PROGRAM

ANNUAL REPORT 1989

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EXECUTIVE SUMMARY

DRINKING WATER SURVEILLANCE PROGRAM

WALLACEBURG WATER TREATMENT PLANT 1989 ANNUAL REPORT

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, 65 plants were being monitored.

The Wallaceburg Water Treatment Plant is a conventional treatment plant that treats water from the St. Clair River via the Chenal Ecarte. The treatment process consists of coagulation, flocculation, sedimentation, filtration, disinfection and fluoridation. This plant has a design capacity of $13.5 \times 1000 \, \text{m}^3/\text{day}$ and serves a population of 12,300.

Water samples from the raw, treated and two distribution sites were analyzed for the presence of approximately 180 parameters, 13 times during 1989. Parameters were divided into the following groups: Bacteriological, Inorganic and Physical (Laboratory Chemistry, Field Chemistry and Metals) and Organics (Chloroaromatics, Chlorophenols, Pesticides and PCB, Phenolics, Polyaromatic Hydrocarbons, Specific Pesticides and Volatiles). Specific Pesticides and Chlorophenols were analyzed in June and November only.

A summary of results is shown in Table A.

Inorganic and Physical parameters (Laboratory Chemistry, Field Chemistry and Metals) were below any applicable health related guidelines.

Samples were analyzed monthly for the presence of approximately 110 Organics. Levels did not exceed health related guidelines.

During 1989, the DWSP sampling results indicated that the Wallaceburg Water Treatment Plant produced good quality water at the plant and this quality was maintained in the distribution system.

TABLE A

WALLACEBURG WTP DRINKING WATER SURVEILLANCE PROGRAM

SUMMARY TABLE BY SCAN

			Z		=	TREATED		S	SITE 1		5 1	SITE 2	
	SCAM	TESTS	POSITIVE	XPOSITIVE	TESTS	POSITIVE	XPOS111VE	TESTS	POSITIVE	TESTS POSITIVE XPOSITIVE TESTS POSITIVE XPOSITIVE TESTS POSITIVE XPOSITIVE TESTS POSITIVE XPOSITIVE	TESTS	POSITIVE	XPOSITIVE
	BACTERIOLOGICAL	×	31	*	*	4	=	33	-	m	33	n	٥
	CHEMISTRY (FLD)	3	2	*8	2	æ	001	7	143	8	132	13	46
	CHEMISTRY (LAB)	273	212	11	263	182	\$	428	369	28	38	327	.
	METALS	312	211	\$\$	289	127	57	3	&	53	516	992	80
	CHLOROAROMATICS	181	0	0	181	0	0	891	0	0	154	0	0
	CHLOROPHENOLS	12	0	0	12	0	0	•	•	•	•	•	•
	РАН	20%	0	0	20%	0	0	•	•	•	•	•	•
	PESTICIDES & PCB	442	0	0	777	0	0	343	0	0	30%	0	0
	PHEWOLICS	Ξ	9	24	£	m	23	•	•	٠	•	٠	•
	SPECIFIC PESTICIDES	54	0	0	3	0	0	12	0	0	Ξ	0	0
	VOLATILES	378	2	0	377	52	13	319	7,7	13	319	57	7
TOTAL		1947	197	•	1961	977		2011	856		1873	25	

NO KNOWN HEALTH RELATED GUIDELINES WERE EXCEEDED

A POSITIVE VALUE DEMOTES THAT THE RESULT IS GREATER THAN THE STATISTICAL LIMIT OF DETECTION AND IS QUANTIFIABLE A POSITIVE VALUE DEMOTES THAT HO SAMPLE WAS TAKEN

DRINKING WATER SURVEILLANCE PROGRAM

WALLACEBURG WATER TREATMENT PLANT 1989 ANNUAL REPORT

INTRODUCTION

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, 65 plants were being monitored.

The DWSP was initiated at the Wallaceburg Water Treatment Plant in May 1986. Annual reports were published for 1986 (ISBN 0-7729-2567-4), 1987 and 1988 (ISSN 0839-9018). Other historical Wallaceburg Water Treatment Plant data is available in the "Drinking Water Survey St. Clair - Detroit River Area" published by the Ministry of the Environment in 1986.

This report contains information and results for 1989.

In order to accommodate the increased number of plants on the DWSP and to facilitate the timely completion of the 1989 annual reports, plants with two or more years of published data will receive an abbreviated annual report. This report maintains the same general format as in previous years but does not include a

comprehensive discussion of the results. For more detail on the parameters analyzed and discussion of the results, consult the 1987 and 1988 reports.

PLANT DESCRIPTION

The Wallaceburg Water Treatment Plant is a conventional treatment plant that treats water from the St. Clair River via the Chenal Ecarte. The process consists of coagulation, flocculation, sedimentation, filtration, disinfection and fluoridation. Sodium Chlorite and chlorine are used to generate chlorine dioxide for the post-chlorination process. Powdered activated carbon adsorption is added for taste and odour control. This plant has a design capacity of 13.5 x 1000 m³/day and flows on day of sampling ranging from 9 x 1000 m³/day to 11 x 1000 m³/day. It serves a population of 12,300. The plant also provides water for a major cannery.

The plant location is shown in Figure 1. Plant Process details, in a block schematic, are shown in Figure 2. General plant information is presented in Table 2.

SAMPLING AND ANALYSIS

Plant operating personnel perform analyses on parameters for process control (Table 1).

FIGURE 1

DRINKING WATER SURVEILLANCE PROGRAM SITE LOCATION MAP WALLACEBURG WATER TREATMENT PLANT



WALLACEBURG WTP

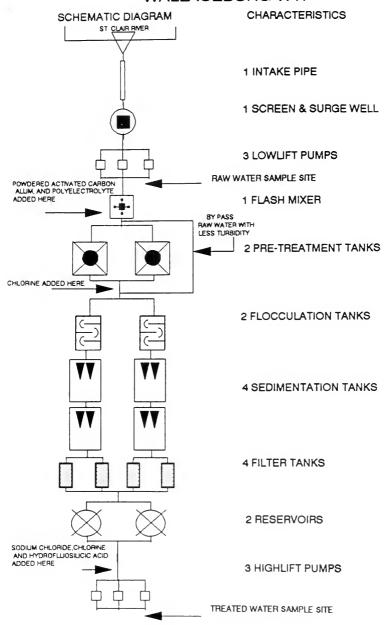


TABLE 1

DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT

IN-PLANT MONITORING WALLACEBURG WTP 1989

PARAMETER	LOCATION	FREQUENCY
Chlorine Residual	Treated	continuous
Turbidity	Raw Treated	4 hours continuous
Temperature	Raw	daily

TABLE 2

DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT GENERAL INFORMATION

WALLACEBURG WATER SUPPLY SYSTEM

LOCATION:

152 DUNCAN STREET

WALLACEBURG, ONTARIO

N8A 4E2

(519-627-2277)

SOURCE:

RAW WATER SOURCE - ST CLAIR RIVER

VIA THE CHENAL ECARTE

DESIGN CAPACITY:

13.5 (1000 M³/DAY)

OPERATION:

MUNICIPALITY

GENERAL MANAGER:

L. DENYS

MINISTRY REGION:

SOUTHWESTERN

DISTRICT OFFICER:

O. WIGLE

MUNICIPALITY SERVED POPULATION

WALLACEBURG

12,300

Water at the Wallaceburg Water Treatment plant and two sites in the distribution system was sampled for the presence of approximately 180 parameters, 13 times in 1989. Samples were analyzed for Specific Pesticides and Chlorophenols in June and November only. Only the raw and treated water at the plant were analyzed for Polyaromatic Hydrocarbons and Phenolics. As of August 1989, the analysis of Triazine pesticides was dropped from the distribution sample. Laboratory analysis was conducted at the Ministry of the Environment facilities in Rexdale, Ontario.

RESULTS

Field Chemistry measurements were recorded on the day of sampling and were entered on the DWSP database as submitted by plant personnel.

Table 3 contains information on the sample day retention time, flow rate and treatment chemicals used and their associated dosages.

Table 4 is a summary break-down of the number of water samples analyzed by parameter and by water type. The number of times that a positive or trace result was detected is also reported. Positive denotes that the result is greater than the statistical limit of detection established by the Ministry of the Environment (MOE) laboratory staff and is quantifiable. Trace (<T) denotes that the level measured is greater than the lowest value detectable by the method but lies so close to the detection limit that it cannot be

confidently quantified.

Table 5 presents the results for parameters detected on at least one occasion.

Table 6 lists all parameters analyzed on DWSP.

Associated guidelines and detection limits are also supplied on tables 5 and 6. Parameters are listed alphabetically within each scan.

DISCUSSION

General

Water quality is judged by comparison with the Ontario Drinking Water Objectives (ODWOs) as defined in the 1984 publication (ISBN 0-7743-8985-0). The Province of Ontario has health related and aesthetic objectives for 49 parameters. These are currently under review. When an ODWO is not available, guidelines/limits from other agencies are consulted. The Parameters Listing System (PALIS), recently published (ISBN 0-7729-4461-X) by the MOE, catalogues and keeps current over 1750 guidelines for 650 parameters from agencies throughout the world.

Many of the compounds detected are naturally occurring or are treatment by-products.

IN THIS REPORT, DISCUSSION IS LIMITED TO THE TREATED AND DISTRIBUTED WATER AND ADDRESSES ONLY THOSE PARAMETERS WITH CONCENTRATIONS ABOVE GUIDELINE VALUES AND ORGANIC PARAMETERS WITH POSITIVE RESULTS.

Results for the treated and distributed water indicate that no health related quideline was exceeded in 1989.

Inorganic and Physical Parameters

Ammonia

Total Ammonium levels were high in one distribution system sample. While the European Economic Community has an aesthetic guideline of .05 mg/L, the Maximum Admissible Concentration is .50 mg/L and is set as a result of the concern for potential sewage pollution and its detection.

Fluoride

The laboratory results indicate that fluoride was below the ODWO recommended range of 1.0-1.4 mg/L in ten treated and distributed samples. The Fluoride feed system was shut down in May.

Hardness

The ODWOs indicate that a hardness level of between 80 and 100 mg/L, as calcium carbonate for domestic waters, provides an acceptable balance between corrosion and encrustation. Water supplies with a hardness greater than 200 mg/L are considered poor

and would possess a tendency to form scale deposits and result in excessive soap consumption.

Organic Parameters

Toluene

Toluene was detected positive in April in one distribution water sample. The result of 0.5 $\mu g/L$ did not exceed the aesthetic guideline for Toluene of 24 $\mu g/L$ set by Health and Welfare Canada.

Tribalomethanes

Trihalomethanes (THMs) are acknowledged to be produced during the water treatment process and will always occur in chlorinated surface waters. THMs are comprised of Chloroform, Chlorodibromomethane and Dichlorobromomethane. Bromoform occurs occasionally at trace levels. Results are reported for both the individual compounds and the total THMs. All Total THM occurrences in the treated and distributed samples, ranging from 13.8 μ g/L to 45.6 μ g/L, were well below the ODWO of 350 μ g/L.

CONCLUSIONS

Results listed in this report for 1989 are consistent with results reported for previous years.

No health related water quality guidelines were exceeded.

The treated water was of good quality and this was maintained in the distribution system.

TABLE 3

	SAMPLE DA	SAMPLE DAY COMDITIONS	S	TRE/	TREATHENT CHEMICAL DOSAGES (MG/L)			
			PRE-CHLORINATION	COAGULATION	TASTE & COCUR	POST-CHLORIMATION		FLUORIDATION
DATE	DELAY* TIME(HRS)	FLOW (1000H3)	CHLORINE	ALUM LIQUID	ACTIVATED CARBON POMDER	CHLORINE	SODIUM CHLORITE	HYDROFLUOSILICIC ACI
	0 2	0	1 03	1.00	. 2.00		38.	1.35
FEB 15	2.5	0.0	1.02	06.1	5.00	•	æ.	1.35
FFB 24	2 .		1.10	15.00	.50	•	.30	1.20
FFB 25	16.9	8.2	1.10	15.00	.50	•	.30	1.20
MAP 15	13.0	0.6	1.02	1.00	5.00	•	.38	1.35
APR 12	24.0	•	1.02	1.00	5.00	•	.38	1.35
MAY 10		9.0	1.02	15.00	5.00	•	8 .	7.0
JUN 14		0.6	1.06	1.00	5.00	.38	•	1.00
JUL 12	13.0	0.6	1.01	1.00	5.00		. 38 	1.00
AUG 16	13.0	0.6	1.01	15.00			2	1.20
SEP 13	13.0	9.0	1.01	15.00	5.00		8£.	1.20
OCT 12	13.0	9.0	1.01	15.00	5.00		8 .	1.20
NOV 15	13.0	9.0	1.10	15.00	5.00	æ.	• ;	1.20
DEC 13	13.0	9.0	1.05	15.00	5.00		3 .	1.20

¥ . ¥ 8.8 8.8 8.8 5.80 5.80 5.80 5.80 5.80

* THE DELAY TIME BETWEEN THE RAW AND TREATED WATER SAMPLING, SHOULD ESTIMATE THE RETENTION TIME.

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

			RAU		=	TREATED		S	SITE 1		•	SITE 2		
SCAN	PARAMETER	TOTAL	TOTAL POSITIVE TRACE TOTAL PC	TRACE	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL	TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	TRACE	TOTAL	POSITIVE	TRAC	щ
BACTERIOLOGICAL	FECAL COLIFORM MF	12	٥	٥										
	STANDRD PLATE CNT MF	•	•	•	12	7	٥	Ξ	-	0	Ξ		_	0
	TOTAL COLIFORM MF	12	5	0	12	-	0	Ξ	0	0	Ξ	J		0
	T COLIFORM BCKGRD MF	12	12	0	12	-	0	Ξ	0	•	=	J		0
*TOTAL SCAN BACTERIOLOGICAL	OLOGICAL	*	3	0	*	7	0	33	-	0	33		_	0
*TOTAL GROUP BACTERIOLOGICA	10L0G1CAL	፠	31	0	38	4	0	33	-	0	33		_	0
CHEMISTRY (FLO) FLD CHLORINE	FLD CHLORINE (COMB)	2	0	•	13	13	0	72	n	0	22	21	_	
	FLD CHLORINE FREE	2	0	0	13	13	0	7,7	7,7	0	22		_	0
	FLD CHLORINE (TOTAL)	2	•	0	13	13	0	54	54	0	22	21	_	0
	FLD PH	13		0	13	13	0	72	54	0	22		•	0
	FLD TEMPERATURE	12	12	•	13	13	0	72	57	0	22		•	0
	FLO TURBIDITY	13	13	0	13	13	0	%	54	0	22		٥.	0
*TOTAL SCAN CHEMISTRY (FLD)	RY (FLD)	77	82	0	82	82	0	177	143	0	132	2	•	0
CHEMISTRY (LAB) ALKALII	ALKALINITY	13	13	0		13	•	54	24	0	2			
	CALCIUM	13	13	0	13	13	0	54	57	0	22	22	•	0
	CYAHIDE	13	0	0	13	•	0	12	0	0	=		_	0
	CHLORIDE	13	13	0	13	13	0	54	5%	0	22	22	•	0
	COLOUR	13	0	13	13	0	60	57	1,	9	22			1
	CONDUCTIVITY	13	13	0	13	5	0	54	5%	0	22	22	•	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

		SITE											
SCAN	PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	TRACE	TRE TOTAL P	TREATED L POSITIVE 1	FRACE	SI TOTAL P	SITE 1 POSITIVE	TRACE	TOTAL	TREATED SITE 1 SITE 2 TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	TRAC
CHEMISTRY (LAB)	FLUORIDE	5	=	0	5	5	0	7,2	72	•		2	
	HARDNESS	13	13	0	5	t	0	57	57	0	22	22	
	IONCAL	13	13	•	5	13	0	54	57	0	22		
	LANGELIERS INDEX	5	13	0	m	~	0	60	60	0	7		
	MAGNESTUM	13	13	0	5	.	0	54	57	0	22	22	
	MO 100S	13	13	0	₽	.	0	72	%	0	22		
	AMMONTUM TOTAL	13	7	•	₽	m	-	57	12	^	22		
	NITRITE	13	2	•	5	-	4	54	7	8	22		
	TOTAL NITRATES	13	13	•	.	5	0	54	57	0	22	22	
	NITROGEN TOT KJELD	13	13	•	5	^	9	2	21	m	22		
	Hd	T	13	•	₽	5	0	57	57	0	22	22	
	PHOSPHORUS FIL REACT	Ð	2	•0	5	0	4	٠	•	•	•	•	
	PHOSPHORUS TOTAL	₽		•0	5	0	s	•	•	٠	•	•	
	SULPHATE	13	13	0	13	5	0	54	57	0	22		
	TURBIDITY	₽	13	0	5	12	-	7.7	%	0	22	2	_
*TOTAL SCAN CHEMISTRY (LAB)	(LAB)	273	212	£3	263	182	&	825	369	07	38 38	327	\$
METALS	SILVER	5	0	7	12	-	^	72	•				
	ALUMINUM	13	13	0	12	12	0	54	5	0	22	22	
	ARSENIC	13	~	€0	12	m	٥	54	-	23	22		22
	BARIUM	13	13	0	12	12	0	57	%	0	22		
	BORON	13	=	7	12	60	4	57	19	8	22		
	BERYLLIUM	5	0	٥	12	0	7	77	0	Ξ	22	0	_

TABLE 4

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SUMMARY TABLE OF RESULTS (1989)

		SITE											
			RAW		TREATED	TEO		SII	SITE 1		SIT	SITE 2	
SCAN	PARAMETER	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL POSITIVE TRACE	SITIVE T		TOTAL PC	TOTAL POSITIVE TRACE	RACE	TOTAL POSITIVE TRACE	SITIVE	TRACE
HETALS	CADHIUM	5	0	2	12	٥	-	*	0	^	22	0	m
	COBALT	13	-	12	15	0	12	7,7	0	22	22	0	21
	CHROMIUM	13	Ξ	0	12	€0	7	57	\$	-	22	5	m
	COPPER	13	12	-	12	٥	m	57	2	-	22	2	-
	IRON	13	•	5	15	0	=	%	20	4	22	9	12
	MERCURY	13	0	2	13	0	7	12	0	2	2	0	m
	MANGANESE	13	13	0	12	m	٥	77	7,7	0	25	25	0
	MOLYBDENUM	13	2	M	12	2	7	72	17	^	22	14	80
	NICKEL	13	0	13	12	0	12	72	4	2	22	-	50
	LEAD	13	12	-	12	•	5	%	18	•	22	18	4
	ANTIMONY	13	13	0	15	=	-	%	23	-	22	12	-
	SELENIUM	13	0	7	12	0	٥	57	0	<u>\$</u>	22	-	2
	STRONTIUM	13	13	0	12	12	0	72	77	0	25	25	0
	TITANIUN	13	12	-	12	=	-	77	22	~	25	2	2
	THALLIUM	13	0	4	12	0	7	77	0	7	25	0	•
	URANIUM	13	12	-	12	0	15	57	0	77	22	7	1
	VANADIUM	5	0	13	12	2	2	57	1	2	25	٥	₽
	ZINC	£	13	0	12	=	-	%	23	-	22	21	-
*TOTAL SCAN METALS		312	172	8	289	127	119	35	&	193	516	260	173
*TOTAL GROUP INORGAN	GROUP INORGANIC & PHYSICAL	629	755	142	630	387	148	13%	118	233	1047	716	221
CHLOROAROMATICS	HEXACHLOROBUTADIENE	2	0	-	t	0	0	12	0	0	=	0	0
	123 TRICHLOROBENZENE	13	0	0	51	0	0	15	0	0	=	0	0

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SUMMARY TABLE OF RESULTS (1989)

		SITE											
SCAN	PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	TRACE		TREATED L POSITIVE	TRACE	TOTAL	TREATED SITE 1 TOTAL POSITIVE TRACE	TRACE	TOTAL	SITE 2 TOTAL POSITIVE TRACE	TRAC
CHLOROAROMATICS	1234 T-CHLOROBENZENE	5	•	٥	5	•	0	12	0	٥	=	0	
	1235 T-CHLOROBENZENE	13	•	0	13	0	0	12	0	0	=		
	124 TRICHLOROBENZENE	13	0	0	13	0	0	12	0	0	Ξ	0	Ī
	1245 T-CHLOROBENZENE	13	0	0	13	0	0	12	0	0	Ξ	0	_
	135 TRICHLOROBENZENE	13	•	0	13	0	0	12	0	0	=	•	_
	HCB	13	•	0	13	0	0	12	0	0	Ξ	0	
	HEXACHLOROETHANE	12	0	0	12	0	0	12	0	0	Ξ	•	0
	OCTACHLOROSTYRENE	13	0	0	13	0	0	12	0	0	Ξ	0	•
	PENTACHLOROBENZENE	13	•	0	1	•	0	12	0	0	=	0	0
	236 TRICHLOROTOLUENE	13	0	0	13	•	0	12	0	0	Ξ	•	0
	245 TRICHLOROTOLUENE	13	0	0	13	0	0	12	0	0	Ξ	•	
	26A TRICHLOROTOLUENE	13	0	0	13	0	•	12	0	0	Ξ	0	•
*TOTAL SCAN CHLOROAROMATICS	AROMATICS	181	0	-	181	0	0	88	0	0	154	0	
CHLOROPHENOLS	234 TRICHLOROPHENOL	2	0	•	7	0	0	•	0				
	2345 T-CHLOROPHENOL	2	0	0	7	0	0	•	•	٠	•	•	
	2356 T-CHLOROPHENOL	~	0	0	2	0	0	•	•	•	•	•	
	245-TRICHLOROPHENOL	~	0	0	7	0	0	•	•	•	•	•	
	246-TRICHLOROPHENOL	2	0	0	7	•	0	٠	•	•	•	•	
	PENTACHLOROPHENOL	~	0	0	7	0	0	•	•	•	•	•	·
*TOTAL SCAN CHLOROPHENOLS	PHENOLS	12	0	0	12	0	0	0	0	0	0	0	Ū

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SUMMARY TABLE OF RESULTS (1989)

		SITE										
SCAN	PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	TRACE	TRE, TOTAL PO	TREATED IL POSITIVE TR	RACE	SITE TOTAL POSI	E 1 SITIVE TRAC	ь Н	TREATED SITE 1 SITE 2 TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	TRAC
РАН	PHENANTHRENE	12	0	0	12	0	0					
	ANTHRACENE	=	0	0	=	0	0					
	FLUORANTHENE	12	0	0	12	0	0					
	PYRENE	12	0	0	15	0	0					
	BENZO(A)ANTHRACENE	13	0	0	13	0	0					
	CHRYSENE	13	0	0	13	0	0					
	DIMETH. BENZ(A)ANTHR	80	0	0	•	0	0					
	BENZO(E) PYRENE	13	0	0	13	0	0				٠,	
	BENZO(B) FLUORANTHEN	13	0	0	13	0	0					
	PERYLENE	13	0	0	13	0	0					
	BENZO(K) FLUORANTHEN	13	0	0	5	0	0	•				
	BENZO(A) PYRENE	7	0	0	_	0	0					
	BENZO(G,H,I) PERYLEN	13	0	0	13	0	0					
	DIBENZO(A, H) ANTHRAC	13	0	0	13	0	0					
	INDENO(1,2,3-C,0) PY	12	0	0	15	0	0					
	BENZO(B) CHRYSENE	13	0	0	13	0	0					
	CORONENE	13	0	0	13	0	0	•				
*TOTAL SCAN PAH		204	0	0	20%	0	0	0	0	0	0	
DECTICIOES & DCB	N OC I	7		-	13			12	o		11 0	
	ALPHA BKC	1	0	0	. 22	0	2	12	0	0	11 0	
	BETA BHC	13	0	0	13	0	0	12	0	0	11 0	
	LINDANE	13	0	-	13	0	0	12	0	0	11 0	

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SUMMARY TABLE OF RESULTS (1989)

		SITE												
			RAN		=	TREATED			SITE 1		•	SITE 2		
SCAN	PARAMETER	TOTAL	TOTAL POSITIVE TRACE	TRACE		TOTAL POSITIVE TRACE	TRACE		TOTAL POSITIVE TRACE	TRACE	TOTAL	TOTAL POSITIVE TRACE	TRAC	ж ;
PESTICIDES & PCB	ALPHA CHLORDANE	13		0	13	°	٥	12	•	٥	Ξ			0
	GAMMA CHLORDANE	13	•	•	13	•	0	12	٥	0	Ξ	Ū	_	
	DIELDRIN	13	•	•	13	•	•	12	•	0	Ξ	Ū	_	0
	METHOXYCHLOR	13	•	0	13	•	0	12	•	•	Ξ	Ĭ	_	0
	EMDOSULFAN 1	£	0	•	13	•	0	12	•	0	Ξ	Ĭ	_	0
	ENDOSULFAN 11	13	0	•	13	•	•	12	•	•	Ξ	_	_	
	ENDRIN	£	-	•	13	-	•	12	•	0	Ξ	Ī	_	
	ENDOSULFAN SULPHATE	Ð	•	•	13	•	0	12	•	•	Ξ	Ī	_	
	HEPTACHLOR EPOXIDE	Ð	-	0	13	•	0	12	•	•	Ξ	_	_	0
	HEPTACHLOR	13		•	13	•	0	12	•	0	Ξ		_	
	MIREX	13	٥	•	13	•	•	12	•	0	Ξ	_	_	0
	OXYCHLORDANE	13		0	13	0	0	12	•	0	Ξ	•	_	۰
	10000	13		•	13		0	12	•	•	Ξ	•	_	0
	PCB	13	٥	•	13	٥	•	12	-	•	Ξ	_	_	0
	000	13	J	0	13		•	12		•	Ξ	_	_	0
	PPDDE	E	٥	0	13		•	12	-	•	Ξ	_	_	0
	PPDOT	E		0	13		•	12		•	Ξ	_	_	0
	AMETRINE	13	Ŭ	0	13	_	•	^		•	•	_	_	0
	ATRAZINE	13		2	13	_	0	_		•	•		_	0
	ATRATONE	13	_	•	13	_	0	_		•	•		_	0
	CYANAZINE (BLADEX)	13		•	13	•	0	_		•	•		_	0
	D-ETHYL ATRAZINE	13	_	0	13	•	0	_		•	9		_	0
	D-ETHYL SIMAZINE	13	_	0	13	_	•	_		0	9		_	0
	PROMETONE	13	_	0	13	_	•	-		•	9		_	0
	PROPAZINE	13		•	13	_	0	_		•	•			0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

PESTICIDES & PCB PROMETRYNE METRIBUZIN (SENC SIMAZINE ALACHLOR (LASSO) METOLACHLOR *TOTAL SCAN PESTICIDES & PCB *TOTAL SCAN PHENOLICS *TOTAL SCAN PHENOLICS	(SENCOR)	107AL Pr 13 13 13 13 13 13 13 13 13 13 13 13 13 1	RAW OSITIVE 0										
S & PCB AN PESTICIDES AN PHENOLICS	(SENCOR) ASSO)	13 13 13 13 13	RAW OSITIVE										
S & PCB AN PESTICIOES AN PHEMOLICS	(SENCOR) ASSO)	13 13 13 13 13	OSITIVE		Ŧ	TREATED			SITE 1		SIT	SITE 2	
S & PCB AN PESTICIDES AN PHENOLICS	IE (SENCOR) N (SENCOR) OR	21 21 21 21 21	0 6	TRACE	TOTAL	TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	DS1T1VE	TRACE
AN PESTICIDES	N (SENCOR) (LASSO) OR	13 13 13 14 15	•	٥	13	0	0		0		•	-	•
AN PESTICIDES	(LASSO) OR	13 13 73	•	0	13	0	0	~	0	0	•	•	•
AN PESTICIDES	(LASSO) OR	13	0	0	13	0	0	~				• =	•
*TOTAL SCAN PESTICIDES & PCB PHENOLICS PHENOLICS *TOTAL SCAN PHENOLICS	8	13	0	0	13	0	0	7	0			0	-
*TOTAL SCAN PESTICIOES & PCB PHENOLICS PHENOLICS *TOTAL SCAN PHENOLICS		277	0	0	13	0	0	4	0	0		0	0
PHENOLICS PHENOLICS *TOTAL SCAN PHENOLICS		!	0	12	775	0	8	343	0	0	309	0	m
*TOTAL SCAN PHENOLICS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	=	9	'n	13	m	,						
		=	•	m	13	m	7	0	0	•	0	0	0
SPECIFIC PESTICIDES TOXAPHENE		13	0	0		0	•	- 2		٠	=	c	
2,4,5-T		7	0	0	~	0	0	!	•	•		•	-
2,4-0		2	0	0	7	0	0			•		•	•
2,4-08		7	0	0	7	0	0	•				•	•
2,4 D PROP	2,4 0 PROPIONIC ACID	7	0	0	2	0	0	•				•	•
DICAMBA		7	0	0	2	0	0			•			
PICHLORAM		0	0	0	0	0	0	•	٠	٠		•	•
SILVEX		7	0	0	2	0	0	•	٠	•			•
DIAZINON		-	0	0	2	0	0						•
DICHLOROVOS	SC	-	0	0	2	0	0					•	•
CHLORPYRIFOS	FOS	-	0	0	2	0	0	•		•			•

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

		SITE												
1	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	101	RAW		= :	TREATED			SITE 1			SITE 2		,
SLAR	PARAMETER	ו מוער	N INC	KALE			IKACE	IOIAL	POSITIVE	TRACE	TOTA	TOTAL POSTTIVE TRACE TOTAL POSTTIVE TRACE TOTAL POSTTIVE TRACE TOTAL POSTTIVE TRACE	TRAC	بد
SPECIFIC PESTICIDES	ETHION	-	0	0	~	٥	0	: '						: .
	AZINPHOS-METHYL	0	•	0	0	0	0	•	•	•				
	MALATHION	-	0	0	2	0	0	•	•	•	•	•		
	MEVINPHOS	-	•	0	2	0	•	•	•	•		•		
	METHYL PARATHION	•	•	0	2	0	0	•	•	•	•	•		
	METHYLTRITHION	-	•	0	2	0	0	•	•	•	•			
	PARATHION	_	•	0	2	0	•	•	•	•				
	PHORATE	-	0	0	2	0	•	•	•	•				
	RELDAN	-	•	0	2	0	0	•	•	•		•		
	RONNEL	-	•	•	2	0	•	•	•	•	•			
	AMINOCARB	0	•	0	•	0	0	•	•	•	•			
	BEHONYL	-	•	0	-	0	•	٠	•	•				
	BUX	0	•	0	0	0	•	•	•	•				
	CARBOFURAN	2	•	0	2	0	0	•	•	•				
	CICP	2	•	•	2	0	0	•	•	•				
	DIALLATE	2	•	•	2	0	0	•	•	•				
	EPTAM	7	•	0	2	0	0	٠	•	•				
	IPC	2	0	0	7	0	0	•	•	•				
	PROPOXUR	2	0	0	2	0	0	•	•	•				
	CARBARYL	2	0	0	2	0	0	•	•	•				
	BUTYLATE	2	•	0	2	0	0	٠	•	•				
*TOTAL SCAN SPECIFIC PESTICIDES	PESTICIDES	54	0	0	8	0	0	12	0		11			0
VOLATILES BENZENE	BENZENE	14	-	٥	2	0	60	=	0		6 11			2

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

		SITE											
			RAN		=	TREATED		•	SITE 1		SITE 2		
SCAN	PARAMETER	TOTAL	TOTAL POSITIVE TRACE	TRACE		POSITIVE	TRACE	TOTAL	TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE		TOTAL POSITIVE TRACE	SITIVE TRACE	RACE
VOLATILES	TOLUENE	£1	-	4	13	0	•	Ξ	0	۰	=	-	4
	ETHYLBENZENE	13	•	٠.	13	0	2	Ξ	0	m	=	0	m
	P-XYLENE	ŧ	•	0	13	0	0	=	0	0	=	0	0
	M-XYLENE	£	•	m	13	0	-	=	0	-	=	0	-
	O-XYLENE	13	•	m	13	0	2	=	0	-	=	0	-
	STYRENE	13	•	9	13	0	m	Ξ	0	•	Ξ	0	30
	1,1 DICHLOROETHYLENE	13	•	0	13	0	0	Ξ	0	0	=	0	0
	METHYLENE CHLORIDE	13	0	0	13	0	0	=	0	0	=	0	•
	T1, 201CHLOROETHYLENE	13	0	0	13	0	0	=	0	0	=	0	•
	1,1 DICHLOROETHANE	13	•	0	13	•	0	=	0	0	Ξ	0	0
	CHLOROFORM	13	0	9	13	13	0	Ξ	Ξ	0	=	Ξ	0
	111, TRICHLOROETHANE	13	•	2	5	•	-	Ξ	0	-	Ξ	0	-
	1,2 DICHLOROETHANE	13	•	0	13	•	0	Ξ	0	0	=	0	0
	CARBON TETRACHLORIDE	5	•	0	13	•	-	Ξ	0	-	Ξ	0	0
	1,2 DICHLOROPROPANE	13	•	-	13	•	0	Ξ	0	0	=	•	0
	TRICHLOROETHYLENE	5	0	0	13	•	0	Ξ	0	0	Ξ	0	0
	DICHLOROBROMOMETHANE	13	0	-	13	13	0	Ξ	=	0	11	Ξ	0
	112 TRICHLOROETHANE	13	•	0	13	•	0	Ξ	0	0	Ξ	0	0
	CHLOROD I BROMOMETHANE	£1	•	0	13	13	0	Ξ	Ξ	0	Ξ	Ξ	0
	T-CHLOROETHYLENE	13	0	-	13	•	-	Ξ	0	7	Ξ	0	2
	BRCHOFORM	13	0	0	13	•	13	Ξ	0	=	=	0	Ξ
	1122 T-CHLOROETHANE	13	•	0	13	•	0	Ξ	0	0	=	0	0
	CHLOROBENZENE	11	•	0	13	•	0	Ξ	0	0	=	0	0
	1,4 DICHLOROBENZENE	13	0	0	13	•	0	Ξ	0	0	=	0	0
	1.3 DICHLOROBENZENE	Į,	0	0	13	•	0	=	0	0	Ξ	0	•

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

		SITE											
			RAU		Ξ	TREATED		٠,	SITE 1		SITE 2	E 2	
SCAN	PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	SITIVE	TRACE
VOLATILES	VOLATILES 1,2 DICHLOROBENZEME 13 0 0 13 0 0 11 0 0 11 0 0	5	0	0	5	٥	0	=	•	0	=	0	•
	ETHLYENE DIBROMIDE	13	0	0	13	0	•	Ξ	0	0	Ξ	•	0
	TOTL TRIMALOMETHANES	£	•	-	13	13	0	Ξ	Ξ	•	=	Ξ	•
*TOTAL SCAN VOLATILES	TES	378	2	75	377	25	8	319	77	85 85	319	45	33
*TOTAL GROUP ORGANIC	211	1282	•••	88	1 2%	55	1.1	842	7,	82	56 23	57	×
TOTAL		1947	197	200	200 1961	977	Ē	2011	856	172	271 1873	75	257

KEY TO TABLE 5 and 6

- A ONTARIO DRINKING WATER OBJECTIVES (ODWO)
 - Maximum Acceptable Concentration (MAC)
 - 1+. MAC for Total Trihalomethanes
 - 1*. MAC for Bacteriological Analyses
 - Poor water quality is indicated when:
 - total coliform counts > 0 < 5
 - P/A Bottle Test is present after 48 hours
 - Aeromonas organisms are detected in more than 25% of samples in a single submission or in successive submissions from the same sampling site
 - Pseudomonas Aeruginosa, Staphylococcus Aureus and members of the Fecal Streptococcus group should not be detected in any sample
 - Standard Plate Count should not exceed 500 organisms per ml at 35 °C within 48 hours
 - 2. Interim Maximum Acceptable Concentration (IMAC)
 - 3. Maximum Desirable Concentration (MDC)
 - 4. Aesthetic or Recommended Operational Guideline
 - hardness levels between 80 and 100 mg/L as calcium carbonate are considered to provide an acceptable balance between corrosion and incrustation, water supplies with a hardness >200 mg/L are considered poor and those in excess of 500 mg/L are unacceptable.
- B HEALTH & WELFARE CANADA (H&W)
 - Maximum Acceptable Concentration (MAC)
 - 2. Proposed MAC
 - 3. Interim MAC
 - 4. Aesthetic Objective (AO) (for xylenes, a total)
- C WORLD HEALTH ORGANIZATION (WHO)
 - Guideline Value (GV)
 - 2. Tentative GV
 - Aesthetic GV
- D US ENVIRONMENTAL PROTECTION AGENCY (EPA)
 - Maximum Contaminant Level (MCL)
 - Suggested No-Adverse Effect Level (SNAEL)
 - 3. Lifetime Health Advisory
 - 4. EPA Ambient Water Quality Criteria
 - 5. Maximum Contaminant Level Goal (MCLG)
- F EUROPEAN ECONOMIC COMMUNITY (EEC)
 - Health Related Guideline Level
 - 2. Aesthetic Guideline Level
 - Maximum Admissable Concentration (MADC)
- G CALIFORNIA STATE DEPARTMENT OF HEALTH-GUIDELINE VALUE
- H USSR MAXIMUM PERMISSIBLE CONCENTRATION
- I NEW YORK STATE AMBIENT WATER GUIDELINE
- N/A NONE AVAILABLE

INTERPRETATION OF DATA

The interpretation of analytical results that are obtained from measurements near the limit of detection of the measurement process is subject to greater uncertainty than those at higher concentrations. The principle areas of concern relate to whether the substance has actually been detected, whether it has been properly identified, and whether it is an artifact of the measurement process. In other words, false positives can be caused by the instrumentation or the test procedures used, when in fact these compounds are not present in the sample.

There are several methods to treat data from such measurements:

1. Exclude the low-level data because of this uncertainty factor.

Studies of long-term environmental trends and modelling may however, be adversely affected by the exclusion of such data.

2. Qualify these data so the user is aware of the greater uncertainty associated with their use.

For the Drinking Water Surveillance Program, measurements near the limit of detection of the measurement process are reported with the code "<T". Results qualified by "W" indicate a zero measurement. These results are reported for purposes of modelling and long-term trend analysis and no significance should be attributed to a single determination of a substance below "T" (a single determination may well be a false positive). Repeat analysis or additional data are needed before it can be stated with certainty that the substance in question was truly present. On the other hand, it is less likely that repeated detection of a substance at or near the limit of detection at a specific location is solely due to an artifact in the measurement system, and more likely represents a true positive. The average of such data however, is still only an estimate of the amount of substance present subject to the possible biases of the method used.

LABORATORY RESULTS, REMARK DESCRIPTIONS

•	No Sample Taken
BDL	Below Minimum Measurable Amount
<t< td=""><td>Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)</td></t<>	Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)
>	Results Are Greater Than The Upper Limit
<=>	Approximate Result
!cs	No Data: Contamination Suspected
!IL	No Data: Sample Incorrectly Labelled
!IS	No Data: Insufficient Sample
!IV	No Data: Inverted Septum
! LA	No Data: Laboratory Accident
!LD	No Data: Test Queued After Sample Discarded

```
! LA
          No Data: Laboratory Accident
          No Data: Test Queued After Sample Discarded
! LD
         No Data: No Authorization To Perform Reanalysis
! NA
!NP
         No Data: No Procedure
          No Data: Sample Not Received
!NR
!OP
         No Data: Obscured Plate
          No Data: Quality Control Unacceptable
! OU
          No Data: Procedural Error - Sample Discarded
!PE
          No Data: Sample pH Outside Valid Range
! PH
          No Data: Received Empty
!RE
          No Data: See Attached Report (no numeric results)
!RO
          No Data: Sample Missing
!SM
          No Data: Send Separate Sample Properly Preserved
!ss
          No Data: Indeterminant Interference
!UI
          No Data: Time Expired
!TX
          Approximate, Total Count Exceeded 300 Colonies
A3C
          Additional Peak, Large, Not Priority Pollutant
APL
          Additional Peak, Less Than, Not Priority Pollutant
APS
CIC
          Possible Contamination, Improper Cap
CRO
          Calculated Result Only
PPS
          Test Performed On Preserved Sample
          P and M-Xylene Not Separated
RMP
          Rerun Verification
RRV
          Reported Value Unusual
RVU
          Several Peaks, Small, Not Priority Pollutant
SPS
UCR
          Unreliable: Could Not Confirm By Reanalysis
UCS
          Unreliable: Contamination Suspected
          Unreliable: Indeterminant Interference
UIN
          Positive After X Number of Hours
XP
T# (T06) Result Taken After # Hours
```

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	BACTERIO	DLOGICAL				
FECAL COL	FORM MF (CT/100)	4L)	DET'N L	IMIT = 0	CUIDELINE =	0 (A1)
MAL	128	•				
FEB	12 T24					
MAR	BDL					
APR	BDL	•				•
MAY	BCL	•				•
JUN	3					
JUL	24					
AUG	12					
SEP	17					•
OCT	15					•
NOV	107					•
DEC	132	•	•	•	•	•
STANDED P	ATE CNT MF ()	DET'N L	IMIT = 0	GUIDELINE =	500/ML (A1)
JAN		5 <=>		7 <=>		3 <=>
FEB	•	1 <=>	•	2 <=>		•
		1 <=>	•		•	•
MAR		119 T48	•	0 <=>	•	0 <=>
APR	•	1 <=>	•	1 <=>	-	2 <=>
MAY		1 <=>	•	14	•	27
JUN	•	0 <=>	•	1 <=>	•	1 <=>
JUL	•	0 <=>	•	0 <=>		12
AUG		4 1-2	•	0 <=>	-	20
SEP		2 <=>	•	3 <=>		0 <=>
OCT		1 <=>	•	1 <=>		0 <=>
NOV	•	1 <=>	•	, ,,,,	•	1 <=>
DEC	•	10	•	1 <=>	•	0 <=>
	•		·			
TOTAL COLI	FORM MF (CT/100M	(L)	DET'N L	IMIT = 0	GUIDELINE =	5/100ML(A1)
JAN	5400 A3C	1 148		0 124		0 124
FEB	1300 A3C	0 T24		0 T24		
	•	0 T48			•	
MAR	510 T48	0 T48		0 T24	,	0 T24
APR	140 T48	0 T48		0 T24		0 T24
MAY	300	0		0		0
JUN	200 <=>	Ö	-	0	•	0
JUL	270 A3C	0		0		0
AUG	200 <=>		-	0	•	0
SEP	1400 A3C	0	-	0	•	0
OCT	880 A3C	0	-	0	•	0
NOV	2500	0			•	0
DEC	1900	0		0		0
T COLIFORM	BCKGRD MF (CT/1	00HL)	DET'N L	IMIT = 0	GUIDELINE =	N/A
MAL	40000 >	1 748		0 T24		0 124
	-0000	1 140	•	0 124	•	0 124

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

WATER TREATMENT PLANT DISTRIBUTION SYSTEM

STANDING FREE FLOW STANDING FREE FLOW FEB 65000 A3C 0 T24 . 0 T24 .	
1.00	
1.00	
. 0 148	
	T24
1144 114	T24
MAY 2600 0 . 0 . 0	
JUN 10000 A3C 0 . 0 .	
JUL 4700 A3C 0 . 0 .	
AUG 10000 A3C 0	
SEP 59000 A3C 0 . 0 . 0	
OCT 20000 A3C 0 . 0 . 0	
MOV 8100 0)
DEC 14000 0 . 0 .	

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
		TRY (FLD)				
FLD CHLORIN	E (COMB) ()	DET'N LI	MIT = N/A	GUIDELINE =	N/A
JAN		.100	.050	.050	.100	.150
FEB	•	.100	.100	.050	•	
		.100		•	•	•
MAR		.200	.100	.100	.200	. 150
APR	•	.100	. 150	.100	.050	.100
MAY	•	.200	.050	.050	.050	.050
JUN	•	.100	.100	.100	.000	.100
JUL	.000	.160	.500	.050	.050	.050
AUG	.000	.200	.050	.100	.050	.050
SEP	•	.100	. 100	.050	.050	.050
OCT	•	.100	.000	.300	.100	.100
NOV	•	. 200	.050	.050	.050	.050
DEC	•	. 100	.050	.100	.050	.100
FLD CHLORIN	E FREE ()	DET'N LI	MIT = N/A	GUIDELINE =	N/A
JAN		1.000	.200	.300	. 150	.500
FEB	•	1.000	.300	.350		
-	•	1.000			•	•
MAR	•	1.000	.200	.300	.100	.500
APR	•	1.000	.100	.300	.250	.200
MAY	•	.900	.150	.300	.100	.400
JUN	•	1.000	.100	.200	.000	.300
JUL	.000	.940	.100	.150	.100	.250
AUG	.000	.900	.200	.300	.150	.200
SEP	.000	1,100	.100	.200	. 150	.200
OCT	•	1,000	.100	.300		
NOV	•	.900			.100	.200
DEC	•	1.100	.050 .100	.200 .300	.100 .050	.300 .300
				•••••		
FLD CHLORIN	E (TOTAL) ()	DET'N LI	MIT = N/A	GUIDELINE =	N/A
JAN	•	1.100	.250	.350	.250	.650
FEB	•	1.100	.400	.400	•	•
	•	1.100	•	•	•	•
MAR	•	1.200	.300	.400	.300	.650
APR	•	1.100	.250	.400	.300	.300
MAY	•	1.100	.200	.350	.150	.450
JUN	•	1.100	.200	.300	.000	.400
JUL	.000	1.100	. 150	.200	.150	.300
AUG	.000	1.100	.250	.400	.200	.250
SEP		1.200	.200	.250	.100	.250
ост	•	1.100	.100	.600	.200	.300
NOV		1.100	.100	.250	. 150	.350
DEC	•	1.200	. 150	.400	. 150	.400
FLD PH (DMNS	SLESS)		DET'N LI	MIT = N/A	GUIDELINE =	6.5-8.5(A4)
JAN	7.600	7.200	7,000	7.200	7,200	7.000

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
FEB	7.800	7.200	7,000	7,200		
760	7.500	7.100	7.000	7.200	•	•
MAR	7.500	7.000	7.000	7.200	7.000	7.200
APR	7.500	7.000	7.200	7.000	7.200	7.300
MAY	7.600	7.200	7.300	7.300	7.300	7.200
JUN	7.800	7.200	7.400	7.400	7.400	7.200
JUL	8.200	7.200	7.400	7.400	7.300	7.200
AUG	8.000	7.200	7.400	7.400	7.300	7.400
SEP	7.900	7.200	7.300	7.400	7.200	7.300
OCT	7.900	7.300	7.500	7.400	7.400	7.300
NOV	7.800	7.200	7.300	7.200	7.400	7.300
DEC	7.800	7.100	7.000	7.200	7.000	7.200
FLD TEMPE	RATURE (DEG.C)	DET'N LI	MIT = N/A	GUIDELINE =	15 (A1)
JAN	.300	.200	7.000	7.000	9.000	7.000
FEB	2.000	3.000	6,000	5.000		
		1.000				
MAR	3.000	3.000	10,000	5.000	8,000	5.000
APR	3.500	5.000	10,000	8,000	17,000	9.000
MAY	9.000	9.000	10,000	11.000	14.000	12.000
JUN	14.000	15.000	18,000	17,000	19.000	18.000
JUL	21.000	21.000	20,000	21.000	21.000	20,000
AUG	24.000	23.000	21,000	23.000	23.000	22.000
SEP	20.000	21.000	19,000	22.000	22,000	21.000
OCT	14.000	15.000	17,000	17.000	20,000	19,000
NOV	11.000	11.000	15.000	14.000	18.000	16.000
DEC	5.000	6.000	9.000	8.000	14.000	10.000
FLD TURBI	DITY (FTU	······································	DET'N LI	MIT = N/A	GUIDELINE =	1.0 (A1)
JAN	5.000	.150	1.100	.850	.600	.230
FEB	1.200	.160	.800	.650		
, 20	3.200	.220			•	•
MAR	2.400	.150	.900	.640	.870	.380
APR	2.100	.100	.750	.600	.750	.450
HAY	3,100	. 150	.800	.300	.360	.480
JUN	5.500	.140	.650	.500	.400	.700
JUL	4.800	.150	.800	.400	.850	.600
AUG	4.000	.150	.800 .750	.400 .750	.800	.680
SEP	5.500	.170				.600
OCT	6.500		.600	.800	.950	
NOV	4.000	.120 .130	.920	.560	.500	.240 1,200
			1.000	1.000	1.200	
DEC	2.300	.120	1.400	.900	.800	.700

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	CHEMIST	RY (LAB)				
LKALINITY	(MG/L)		DET'N LI	MIT = .200	GUIDELINE =	30-500 (A4)
JAN	87.700	73.800	73.400	74.300	74.900	74.900
FEB	87.600	74.700	74.300	74.300	•	
	86.700	74.400	•	•	•	•
MAR	84.900	70.800	71.900	71.800	72.600	72.400
APR	82.900	70.700	70.900	71.000	71.600	71.900
MAY	86.200	74.600	74.800	75.600	74.400	75.200
JUN	83.500	71.100	72.400	72.000	72.100	71.900
JUL	85.700	72.600	74.700	74.600	75.000	74.800
AUG	86.000	72.200	73.400	72.600	74.600	74.100
SEP	84.800	73.000	73.900	74.300	74.900	74.800
OCT	85.400	73.500	75.000	73.500	74.200	73.600
NOV	87.500	75.000	75.700	74.600	76.600	75.900
DEC	85.000	72.800	74.100	73.000	74.700	73.900
ALCIUM (H	IG/L)		DET'N LI	MIT = .100	GUIDELINE =	100 (F2)
MAL	30.200	29,400	29.800	30.200	30.800	29.600
FEB	30.600	29,600	31.000	31.000		
	29,000	29.000			•	
MAR	29.600	30,200	29.800	30.000	29.600	29,600
APR	27.400	28.200	27.800	27.800	28.200	28.400
MAY	27.800	28.800	28.600	29.000	28.000	28.200
JUN	29.000	28.800	29.400	29.800	29,600	28,600
JUL	29.000	29.400	30.600	30.200	29.800	30,200
AUG	30.000	29,200	29.800	29.800	30.800	30,800
SEP	28,000	28.800	28.000	28.600	28.800	29.200
OCT	29,800	31,300	31.600	31.100	31,700	31,600
NOV	29.800	30.200	29.000	28.300	30.600	30,800
DEC	29.300	28.500	31.100	30.600	29.900	30.300
HLORIDE (MG/L)	•••••••	DET'N LI	MIT = .200	GUIDELINE =	250 (A3)
JAN	12.200	13.200	13.600	13.200	13.400	12.800
FEB	10.700	12.600	12.600	12.400	13.400	12.500
	9.000	10.700	12.000	12.700	•	•
MAR	10,100	11.600	12.300	11.800	11.700	11.600
APR	10.800	12.200	12.500	12.400	12,500	12.300
MAY	10.600	11.900	11.900	12.100	12.000	12.000
JUN	9.700	11.100	11.500	11,200	11,400	11.100
JUL	7.300	10.200	10.600	10.400	10.300	10,400
AUG	8.800	10.400	10.800	10.400	10.700	10.400
SEP	9.100	11.100	11.400	11.200	11.400	11.100
DCT	9.600	11.600	12,700	12.200	12,600	12,200
NOV	10.100	11.800				
DEC	7.600	9.700	12.200 12.700	11.800 10.400	11.800 10.500	12.000 10.200
OLOUR (HZ	 U)		DET'N LI	MIT = .5	GUIDELINE =	5.0 (A3)
MAL	.500 <t< td=""><td>.500 <t< td=""><td>3.500</td><td>3.000</td><td>2.000 <t< td=""><td>1.000</td></t<></td></t<></td></t<>	.500 <t< td=""><td>3.500</td><td>3.000</td><td>2.000 <t< td=""><td>1.000</td></t<></td></t<>	3.500	3.000	2.000 <t< td=""><td>1.000</td></t<>	1.000

TABLE 5
DRINKING MATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

MATER TREATMENT PLANT DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
FEB	.500 <1	BDL	3.000	2.500		
	1,000 <t< td=""><td>.500 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.500 <t< td=""><td></td><td></td><td></td><td></td></t<>				
MAR	1.500 <t< td=""><td>1,000 <t< td=""><td>4.000</td><td>3.500</td><td>2.500</td><td>1.000 <</td></t<></td></t<>	1,000 <t< td=""><td>4.000</td><td>3.500</td><td>2.500</td><td>1.000 <</td></t<>	4.000	3.500	2.500	1.000 <
APR	1.000 <t< td=""><td>.500 <t< td=""><td>2,000 <7</td><td></td><td>1.000 <t< td=""><td></td></t<></td></t<></td></t<>	.500 <t< td=""><td>2,000 <7</td><td></td><td>1.000 <t< td=""><td></td></t<></td></t<>	2,000 <7		1.000 <t< td=""><td></td></t<>	
HAY	1.000 <t< td=""><td>.500 <t< td=""><td>1,500 <7</td><td></td><td>1.500 <t< td=""><td></td></t<></td></t<></td></t<>	.500 <t< td=""><td>1,500 <7</td><td></td><td>1.500 <t< td=""><td></td></t<></td></t<>	1,500 <7		1.500 <t< td=""><td></td></t<>	
JUN	1.000 <t< td=""><td>1,000 <t< td=""><td>1,000 <7</td><td></td><td>.500 <t< td=""><td></td></t<></td></t<></td></t<>	1,000 <t< td=""><td>1,000 <7</td><td></td><td>.500 <t< td=""><td></td></t<></td></t<>	1,000 <7		.500 <t< td=""><td></td></t<>	
JUL	1.500 <t< td=""><td>1.000 <t< td=""><td>3,000</td><td>3.000</td><td>1.500 <t< td=""><td>1.500 <</td></t<></td></t<></td></t<>	1.000 <t< td=""><td>3,000</td><td>3.000</td><td>1.500 <t< td=""><td>1.500 <</td></t<></td></t<>	3,000	3.000	1.500 <t< td=""><td>1.500 <</td></t<>	1.500 <
AUG	1.000 <t< td=""><td>BOL</td><td>2.500</td><td>2.000 <t< td=""><td>1.500 <t< td=""><td></td></t<></td></t<></td></t<>	BOL	2.500	2.000 <t< td=""><td>1.500 <t< td=""><td></td></t<></td></t<>	1.500 <t< td=""><td></td></t<>	
SEP	1.000 <t< td=""><td>BOL</td><td>3.000</td><td>2.500</td><td>2,500</td><td>2,500</td></t<>	BOL	3.000	2.500	2,500	2,500
OCT	.500 <t< td=""><td>BOL</td><td>3.500</td><td>1.500 <t< td=""><td>.500 <t< td=""><td></td></t<></td></t<></td></t<>	BOL	3.500	1.500 <t< td=""><td>.500 <t< td=""><td></td></t<></td></t<>	.500 <t< td=""><td></td></t<>	
HOV	1.000 <t< td=""><td>.500 <t< td=""><td>1,500 <7</td><td></td><td>7,000</td><td>1,000 <</td></t<></td></t<>	.500 <t< td=""><td>1,500 <7</td><td></td><td>7,000</td><td>1,000 <</td></t<>	1,500 <7		7,000	1,000 <
DEC	1.000 <t< td=""><td>BOL</td><td>5.000</td><td>3.000</td><td>2.000 <t< td=""><td></td></t<></td></t<>	BOL	5.000	3.000	2.000 <t< td=""><td></td></t<>	
ONDUCTIVI	TY (UNHO/CH)		DET'N LI	MIT = 1	GUIDELINE =	
JAN	247	248	247	249	248	248
FEB	239	246	249	243	•	
	234	242				
MAR	238	242	245	243	245	245
APR	238	246	248	246	247	247
HAY	234	238	239	243	239	241
JUN	231	238	242	238	239	238
JUL	225	237	242	239	239	239
AUG	228	231	239	234	236	235
SEP	229	239	245	240	242	240
OCT	232	242	252	243	248	244
NOV	238	243	243	241	243	246
DEC	222	232	243	234	236	235
LUORIDE (MG/L)		DET'N LI	MIT = .01	GUIDELINE =	2.400 (A1)
JAN	.080	1,020	.880	.980	.900	.980
FEB	.100	.920	.900	.940		
	.080	.700				
MAR	BOL	1,100	1.020	1.140	1.140	1.060
APR	.100	1.060	.980	1.040	.920	.960
MAY	.080	.080	.240	.400	.400	.320
JUN	.080	1.160	1.100	1.140	1.100	1.120
JUL	.080	1.200	1.020	1,140	1.060	1.100
AUG	.080	1.200	1.180	1.320	1.180	1.220
SEP	.080	1.040	1.000	1.000	.960	.980
OCT	.080	1.080	1.080	.980	1.000	1.000
HOV	.100	1.160	.900	.980	.920	.960
DEC	BOL	1.260	.920	1.140	.920	1.180
ARDNESS (MG/L)		DET'N LI	MIT = .500	GUIDELINE =	80-100 (A4)
JAN	108.000	105.000	105.000	107,000	110.000	105.000
		105.000			110.000	.03.000
FEB	108.000		109,000	110.000		

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
MAR	106.000	108.000	107.000	107.000	107.000	106.000
APR	99.000	101.000	100.000	99,000	100.000	101.000
MAY	99.000	102.000	101.000	102.000	99,000	100,000
JUN	106,000	104.000	106,000	107.000	107.000	103.000
JUL	102.000	104.000	106.000	106.000	104.000	105,000
AUG	106.000	106,000	105.000	106.000	107.000	108,000
SEP	101.000	103.000	101,000	103.000	103.000	104.000
OCT	106.100	109,400	109.600	108.100	110.600	110,100
NOV	107.000	107.000	103.700	102.300	107.000	109,000
DEC	104.500	102.800	108.600	107.900	106.200	107.200
IONCAL (D	MNSLESS)		DET'N LI	IMIT = N/A	GUIDELINE =	N/A
MAL	2.921	1.569	1.054	2.908	1.267	.557
FEB	1.254	1.231	4.670	5.800		
	3.553	3.534				
MAR	2.141	6.657	5.579	5.237	4.314	4.539
APR	1,117	.353	.820	1.426	.962	.563
MAY	3.951	.289	.734	.950	1.152	1.769
JUN	4.276	5.508	4.593	7.414	6.809	3.215
JUL	.460	3.441	3.391	3.279	1.631	2.210
AUG	2.859	4,109	4.515	5.161	5.897	6.296
SEP	2.987	.831	4.657	2.037	2.324	.088
OCT	3.315	5.844	4.791	4.938	5,112	6.031
NOV	.380	3.034	2.124	3.131	3.122	3.734
DEC	4.279	4.528	2.518	.776	2.793	2.284
ANGEL I ER	S INDEX (DMNSLE	SS)	DET'N LIMIT = N/A		GUIDELINE =	N/A
JAN	.105	212	168	178	006	173
FEB	. 203	163	227	304		
	.207	142				
MAR	. 165	366	177	193	145	156
APR	.141	.012	034	073	.027	.052
MAY	.206	.117	.105	.094	.133	.120
JUN	.082	124	068	053	076	092
JUL	.046	425	.073	.028	.044	.029
AUG	.241	088	.025	008	.087	.065
SEP	.274	.078	.028	.082	.087	.094
OCT	.243	-,115	.064	018	.053	011
HOV	.241					
DEC	.298	132 055	105 004	181 044	.043 .055	139 .016
AGNESIUM	(MG/L)		DET'N LI	MIT = .050	GUIDELINE =	30 (F2)
JAN	7.900	7.700	7.500	7.700	7.900	7.600
FEB	, 7.600	7.500	7.700	7.900	•	•
	8.100	8.000	•		•	•
MAR	7.900	7.900	8.000	7.800	7.900	7.900
APR	7.400	7.500	7.400	7.300	7.300	7.400

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1	SITE 2					
			STANDING	FREE FLOW	STANDING	FREE FLOW			
MAY	7.100	7,200	7,200	7.300	7.200	7.200			
JUN	8,100	7,900	7.800	8,000	8,000				
JUL	7.300	7,400	7,400	7.300	7,200				
AUG	7.600	7.900	7.500	7.600	7.500				
SEP	7.600	7,600	7.500	7,600	7.500				
OCT	7.700	7.550	7.450	7.400	7.600				
NOV	7.800	7,600	7.600	7.700	7.500				
DEC	7.650	7.650	7.550	7.650	7.650				
ODIUM (MG	G/L)		DET'N LI	MIT = .200	GUIDELINE	= 200 (C3)			
JAN	6.800	6.800	7.600	7.200	7.400	7.600			
FEB	6.600	6.800	7.000	7.000					
	6.400	6.400			•	•			
MAR	6.400	6.800	7.200	6.800	7.000	7.000			
APR	6,400	6.600	6.800	6.600	6.800				
MAY	6,600	6.800	6.600	7.000	6.800				
JUN	6.400	6.600	6.400	6.400	6.600				
JUL	5.000	6.000	6.200	6.200	6.200				
AUG	6,000	5.800	6.200	5.600	6.000				
SEP	5.400	5.600	5.400	5.400	5,600				
OCT	6.700	7.100	7.600	7.300	7.400				
NOV	6.200	6.400	6.200	5.800	6.600				
DEC	2.200	2.600	3.700	2.600	2.900				
MMONIUM T	OTAL (MG/L)	DET'N LI	MIT = 0.002	GUIDELINE	= .05 (F2)			
JAN	.030	.016	.074	.014	.016	.016			
FEB	.008 <t< td=""><td>BOL</td><td>.112</td><td>.002</td><td></td><td></td></t<>	BOL	.112	.002					
	.010	.002 <t< td=""><td>••••</td><td>.002</td><td>''</td><td>•</td></t<>	••••	.002	''	•			
MAR	.008 <t< td=""><td>.002</td><td>.072</td><td>.002</td><td>.002</td><td>.002</td></t<>	.002	.072	.002	.002	.002			
APR	.028	BOL	.114	.002					
MAY	.010	BOL	BOL	.176	.006				
JUN	.004 <t< td=""><td>BOL</td><td>.282</td><td>.004</td><td></td><td></td></t<>	BOL	.282	.004					
JUL	.006 <t< td=""><td>BOL</td><td>.130</td><td>.002</td><td></td><td></td></t<>	BOL	.130	.002					
	.008 <t< td=""><td>BOL</td><td>.366</td><td>.002</td><td></td><td></td></t<>	BOL	.366	.002					
AUG		-			.008				
AUG SEP		801	252						
SEP	.002 <t< td=""><td>BOL</td><td>.252</td><td>BOL</td><td></td><td></td></t<>	BOL	.252	BOL					
SEP OCT	.002 <t< td=""><td>BOL</td><td>.292</td><td>BOL</td><td>.044</td><td>BOL</td></t<>	BOL	.292	BOL	.044	BOL			
SEP	.002 <t< td=""><td></td><td></td><td>BDL BDL</td><td></td><td>BOL</td></t<>			BDL BDL		BOL			
SEP OCT NOV	.002 <t .010 .010 .030</t 	BDL .018	.292 .004 <t .002 <t< td=""><td>BDL BDL</td><td>.044 .004 8DL</td><td>SOL SOL</td></t<></t 	BDL BDL	.044 .004 8DL	SOL SOL			
SEP OCT NOV DEC	.002 <t .010 .010 .030</t 	BDL .018 BDL	.292 .004 <t .002 <t< td=""><td>BDL BDL BDL MIT = 0.001</td><td>.044 .004 BDL GUIDELINE</td><td>SOL SDL BDL BDL = 1.000 (A1)</td></t<></t 	BDL BDL BDL MIT = 0.001	.044 .004 BDL GUIDELINE	SOL SDL BDL BDL = 1.000 (A1)			
SEP OCT NOV DEC ITRITE (MC	.002 <t .010 .010 .030 G/L)</t 	BDL .018 BDL	.292 .004 <t .002 <t DET'N LI</t </t 	BOL BOL BOL MIT = 0.001	.044 .004 BDL GUIDELINE BDL	<pre></pre>			
SEP OCT NOV DEC	.002 <t .010 .010 .030 G/L)</t 	BDL .018 BDL BDL BDL BDL	.292 .004 <t .002 <t< td=""><td>BDL BDL BDL MIT = 0.001</td><td>.044 .004 BDL GUIDELINE BDL</td><td>SOL SDL BDL BDL = 1.000 (A1)</td></t<></t 	BDL BDL BDL MIT = 0.001	.044 .004 BDL GUIDELINE BDL	SOL SDL BDL BDL = 1.000 (A1)			
SEP OCT NOV DEC ITRITE (MC	.002 <t .010 .010 .030 .030 .004 <t .002 <t .003 <t< td=""><td>BOL .018 BOL BOL BOL BOL</td><td>.292 .004 <t .002 <t DET'N L1 .001 <t .003 <t< td=""><td>BDL BDL BDL MIT = 0.001 BDL .003</td><td>.044 .004 BDL GUIDELINE BDL</td><td><pre></pre></td></t<></t </t </t </td></t<></t </t </t 	BOL .018 BOL BOL BOL BOL	.292 .004 <t .002 <t DET'N L1 .001 <t .003 <t< td=""><td>BDL BDL BDL MIT = 0.001 BDL .003</td><td>.044 .004 BDL GUIDELINE BDL</td><td><pre></pre></td></t<></t </t </t 	BDL BDL BDL MIT = 0.001 BDL .003	.044 .004 BDL GUIDELINE BDL	<pre></pre>			
SEP OCT WOV DEC ITRITE (MC JAN FEB	.002 <t .010 .010 .030 G/L) .004 <t .002 <t .003 <t .002 <t< td=""><td>BOL .018 BOL BOL BOL BOL .001</td><td>.292 .004 <t .002 <t DET'N LI .001 <t .003 <t< td=""><td>BDL BDL MIT = 0.001 BDL .003</td><td>.044 .004 BDL GUIDELINE BDL <t .<="" td=""><td>** BDL *** BDL *** BDL *** BDL *** BDL *** BDL ***</td></t></td></t<></t </t </t </td></t<></t </t </t </t 	BOL .018 BOL BOL BOL BOL .001	.292 .004 <t .002 <t DET'N LI .001 <t .003 <t< td=""><td>BDL BDL MIT = 0.001 BDL .003</td><td>.044 .004 BDL GUIDELINE BDL <t .<="" td=""><td>** BDL *** BDL *** BDL *** BDL *** BDL *** BDL ***</td></t></td></t<></t </t </t 	BDL BDL MIT = 0.001 BDL .003	.044 .004 BDL GUIDELINE BDL <t .<="" td=""><td>** BDL *** BDL *** BDL *** BDL *** BDL *** BDL ***</td></t>	** BDL *** BDL *** BDL *** BDL *** BDL *** BDL ***			
SEP OCT NOV DEC ITRITE (MC	.002 <t .010 .010 .030 .030 .004 <t .002 <t .003 <t< td=""><td>BOL .018 BOL BOL BOL BOL</td><td>.292 .004 <t .002 <t DET'N L1 .001 <t .003 <t< td=""><td>BDL BDL BDL MIT = 0.001 BDL .003</td><td>.044 .004 BDL GUIDELINE BDL <t .<="" td=""><td>**T</td></t></td></t<></t </t </t </td></t<></t </t </t 	BOL .018 BOL BOL BOL BOL	.292 .004 <t .002 <t DET'N L1 .001 <t .003 <t< td=""><td>BDL BDL BDL MIT = 0.001 BDL .003</td><td>.044 .004 BDL GUIDELINE BDL <t .<="" td=""><td>**T</td></t></td></t<></t </t </t 	BDL BDL BDL MIT = 0.001 BDL .003	.044 .004 BDL GUIDELINE BDL <t .<="" td=""><td>**T</td></t>	**T			

TABLE 5

WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
110	005		000 -*	.001 <ī	001 -*	.001 <7
JUL	.005	BOL	1> 200.		.001 <7	
AUG	.005	.003 <t< td=""><td>.002 <t< td=""><td></td><td>.002 <t< td=""><td>.002 <t< td=""></t<></td></t<></td></t<></td></t<>	.002 <t< td=""><td></td><td>.002 <t< td=""><td>.002 <t< td=""></t<></td></t<></td></t<>		.002 <t< td=""><td>.002 <t< td=""></t<></td></t<>	.002 <t< td=""></t<>
SEP OCT	.009 .004 <t< td=""><td>.001 <t< td=""><td>.001 <t .003 <t< td=""><td></td><td>.001 <t .001 <t< td=""><td>BOL</td></t<></t </td></t<></t </td></t<></td></t<>	.001 <t< td=""><td>.001 <t .003 <t< td=""><td></td><td>.001 <t .001 <t< td=""><td>BOL</td></t<></t </td></t<></t </td></t<>	.001 <t .003 <t< td=""><td></td><td>.001 <t .001 <t< td=""><td>BOL</td></t<></t </td></t<></t 		.001 <t .001 <t< td=""><td>BOL</td></t<></t 	BOL
NOV	.004 <t< td=""><td>.001 <t< td=""><td>.005 <1</td><td>.003 <7</td><td>.001 <ī</td><td>BOL</td></t<></td></t<>	.001 <t< td=""><td>.005 <1</td><td>.003 <7</td><td>.001 <ī</td><td>BOL</td></t<>	.005 <1	.003 <7	.001 <ī	BOL
DEC	.003 <t< td=""><td>BOL</td><td>.002 <1</td><td></td><td>.001 <7</td><td>.001 <t< td=""></t<></td></t<>	BOL	.002 <1		.001 <7	.001 <t< td=""></t<>
TOTAL NIT	RATES (MG/L)	DET'N LI	MIT = .020	GUIDELINE = 1	10.000 (A1)
JAN	.475	.410	.540	.400	.395	.405
FEB	.390	.345	.500	.350	-	
	.320	.335			•	•
MAR	.345	.345	.390	.335	.340	.345
APR	.485	.420	.545	.405	.435	.400
MAY	.130	.130	.125	.220	. 120	.120
JUN	.545	.365	.710	.330	.320	.325
JUL	.160	.170	.610	.280	.280	.275
AUG	. 290	.245	.745	.285	.275	. 285
SEP	.335	.400	.680	.370	.370	.365
OCT	.290	.310	.665	.295	.360	.290
NOV	.385	.350	.295	.315	.305	.315
DEC	.290	. 285	.420	.280	. 265	. 265
NITROGEN 1	TOT KJELD (MG/L)	DET'N LI	MIT = .020	GUIDELINE = 1	1/A
JAN	.220	.100	.250	.110	.090 <t< td=""><td>.080 <t< td=""></t<></td></t<>	.080 <t< td=""></t<>
FEB	.190	.090 <t< td=""><td>.300</td><td>.100</td><td>•</td><td></td></t<>	.300	.100	•	
	.200	.090 <t< td=""><td>•</td><td>•</td><td></td><td></td></t<>	•	•		
MAR	.170	.100	.330	.120	.120	.110
APR	.210	.080 <t< td=""><td>.230</td><td>.080 <t< td=""><td>.170</td><td>.110</td></t<></td></t<>	.230	.080 <t< td=""><td>.170</td><td>.110</td></t<>	.170	.110
MAY	.220	.090 <t< td=""><td>.110</td><td>.310</td><td>.320</td><td>.100</td></t<>	.110	.310	.320	.100
JUN	.190	.100	.430	.080 <t< td=""><td>.090 <1</td><td>.090 <t< td=""></t<></td></t<>	.090 <1	.090 <t< td=""></t<>
JUL	.200	.090 <t< td=""><td>.390</td><td>.120</td><td>.100</td><td>.090 <t< td=""></t<></td></t<>	.390	.120	.100	.090 <t< td=""></t<>
AUG	.190	.120	.540	.090 <7	.090 <1	.090 <t< td=""></t<>
SEP	. 200	.110	.430	.110	. 150	.100
OCT	.240	.110	.750	.110	.350	.130
WOV	.170	.090 <t< td=""><td>.160</td><td>.100</td><td>.100</td><td>.100</td></t<>	.160	.100	.100	.100
DEC	.190	.120	.220	.100	.110	.110
PH (DMNSLE	(\$\$)		DET'N LI	HIT = N/A	GUIDELINE = 6	5.5-8.5(A4)
JAN	8.100	7.870	7.910	7.890	8.050	7.900
FEB	8.190	7.910	7.830	7. <i>7</i> 50	•	
	8.220	7.940				
MAR	8.180	7.720	7.910	7.890	7.940	7.930
	8.200	8.130	8.090	8.050	8.140	8.160
APR						
APR MAY	8.240	8.200	8.190	8.170	8.230	8.210
		8.200 7.980	8.190 8.020	8.170 8.030	8.230 8.010	8.210 8.010
MAY	8.240					

TABLE 5

WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	8.310	8.170	8.130	8.170	8.170	8.170
OCT	8.250	7.940	8.110	8.040	8.100	8.040
NOV	8.240	7.930	7.970	7.910	8.090	7.910
DEC	8.310	8.040	8.050	8.020	8.120	8.080
HOSPHORU	S FIL REACT (MG/	L)	DET'N LI	MIT = .0005	GUIDELINE =	N/A
JAN	.002	.001 <t< td=""><td></td><td></td><td>•</td><td></td></t<>			•	
FEB	.000 <t< td=""><td>BOL</td><td></td><td>•</td><td></td><td>•</td></t<>	BOL		•		•
	.000 <t< td=""><td>BOL</td><td></td><td></td><td></td><td></td></t<>	BOL				
MAR	.002	.000			•	•
APR	.001 <t< td=""><td>BOL</td><td></td><td>•</td><td></td><td></td></t<>	BOL		•		
MAY	.000	.000				
JUN	.001 <t< td=""><td>BOL</td><td></td><td></td><td>•</td><td></td></t<>	BOL			•	
JUL	BDL	BOL				
AUG	.001 <t< td=""><td>.001 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.001 <t< td=""><td></td><td></td><td></td><td></td></t<>				
SEP	.001 <t< td=""><td>BOL</td><td></td><td></td><td></td><td></td></t<>	BOL				
OCT	BOL	BOL				
NOV	.001 <t< td=""><td>.001 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.001 <t< td=""><td></td><td></td><td></td><td></td></t<>				
DEC	.001 <t< td=""><td>.000 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.000 <t< td=""><td></td><td></td><td></td><td></td></t<>				
JAN FER	.019 003 <t< th=""><th>.004 <t< th=""><th>•</th><th>•</th><th>•</th><th>•</th></t<></th></t<>	.004 <t< th=""><th>•</th><th>•</th><th>•</th><th>•</th></t<>	•	•	•	•
FEB	.003 <t< td=""><td>BDL</td><td></td><td></td><td></td><td></td></t<>	BDL				
	.011	.003 <t< td=""><td></td><td>•</td><td>•</td><td>•</td></t<>		•	•	•
MAR	.006 <t< td=""><td>BOL</td><td>•</td><td>•</td><td>•</td><td>•</td></t<>	BOL	•	•	•	•
APR	.005 <t< td=""><td>BOL</td><td></td><td>•</td><td>•</td><td>•</td></t<>	BOL		•	•	•
MAY	.005 <t< td=""><td>BOL</td><td>•</td><td>•</td><td>•</td><td></td></t<>	BOL	•	•	•	
JUN	.014	.002 <t< td=""><td></td><td>•</td><td>•</td><td>•</td></t<>		•	•	•
JUL	.009 <t< td=""><td>BOL</td><td></td><td>•</td><td>•</td><td>•</td></t<>	BOL		•	•	•
AUG	.008 <t< td=""><td>BOL</td><td></td><td>•</td><td></td><td></td></t<>	BOL		•		
SEP	.010	.002 <7			•	
OCT	.006 <t< td=""><td>BDL</td><td></td><td>•</td><td></td><td></td></t<>	BDL		•		
NOV	.015	.002 <7	•	•	•	•
DEC	.003 <7	BOL	•	•	•	•
ULPHATE ((MG/L)		DET'N LI	MIT = .200	GUIDELINE =	500. (A3)
JAN	18.970	26.810	27.670	30.730	27.600	26.910
FEB	15.760	23.410	24.270	24.230		
	14.400	23.500	•	•		•
MAR	16.720	25.590	25.030	25.040	25.230	25.300
APR	13.660	24.740	24.470	24.450	24.540	24.200
MAY	15.180	23.770	23.190	22.740	22.900	23.280
JUN	14.980	23.510	23.000	22.930	23.150	23.250
	15.580	24.410	23.970	23.860	24.070	24.040
JUL						
AUG	15.780	24.580	22.600	22.810	22.460	22.910
	15.780 16.710	24.580 25.140	22.600 25.200	22.810 24.280	22.460 24.290	22.910 23.890

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

DISTRIBUTION SYSTEM

	RAW	TREATED	TREATED SITE 1		SITE 2		
			STANDING	FREE FLOW	STANDING	FREE FLOW	
HOV	16.610	23.230	24.660	25.130	22.640	23.570	
OEC	16.690	24.640	25.120	24.690	24.080	25.050	
TURBIDITY	(FTU)		DET'N LIM	IT = .02	GUIDELINE =	1.00 (A1)	
JAN	8.800	.260	.940	.960	.760	.570	
FEB	1.670	.340	.630	.710		•	
	5.100	.250					
MAR	1.720	.300	.950	.490	.400	.200 <t< td=""></t<>	
APR	2.200	.470	.810	.440	.320	.490	
MAY	4.700	.890	.850	.850	.820	.770	
JUN	4.000	.580	.860	.700	.650	.440	
JUL	5.300	.540	.810	.510	.460	.540	
AUG	3.100	.360	.820	.470	.770	.570	
SEP	7.400	.410	.810	.800	.280	.310	
OCT	1.760	.140 <t< td=""><td>.530</td><td>.310</td><td>.530</td><td>.200 <t< td=""></t<></td></t<>	.530	.310	.530	.200 <t< td=""></t<>	
NOV	2.800	.400	.470	.350	.600	.440	
DEC	2.300	.450	1.050 RRV	.610	.400	.370	

TABLE 5

TABLE 5

WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	META	15	• • • • • • • • • • • • • • • • • • • •			•
SILVER (U				DET'N LIMIT = .02	O GUIDELINE =	50. (A1)
JAN	BOL	.040 <t< td=""><td>.030 <1</td><td>BOL</td><td>BOL</td><td>BDL</td></t<>	.030 <1	BOL	BOL	BDL
FEB	.090 <t< td=""><td>.320 <t< td=""><td>.120 <1</td><td>.080 <t< td=""><td></td><td>•</td></t<></td></t<></td></t<>	.320 <t< td=""><td>.120 <1</td><td>.080 <t< td=""><td></td><td>•</td></t<></td></t<>	.120 <1	.080 <t< td=""><td></td><td>•</td></t<>		•
	.040 <t< td=""><td>1.000</td><td></td><td>•</td><td></td><td>•</td></t<>	1.000		•		•
MAR	.040 <t< td=""><td>.240 <t< td=""><td>.070 <1</td><td>.050 <t< td=""><td>BDL</td><td>.120 <t< td=""></t<></td></t<></td></t<></td></t<>	.240 <t< td=""><td>.070 <1</td><td>.050 <t< td=""><td>BDL</td><td>.120 <t< td=""></t<></td></t<></td></t<>	.070 <1	.050 <t< td=""><td>BDL</td><td>.120 <t< td=""></t<></td></t<>	BDL	.120 <t< td=""></t<>
APR	.110 <t< td=""><td>.140 <t< td=""><td>.120 <1</td><td>.040 <t< td=""><td>.040 <</td><td>T .080 <t< td=""></t<></td></t<></td></t<></td></t<>	.140 <t< td=""><td>.120 <1</td><td>.040 <t< td=""><td>.040 <</td><td>T .080 <t< td=""></t<></td></t<></td></t<>	.120 <1	.040 <t< td=""><td>.040 <</td><td>T .080 <t< td=""></t<></td></t<>	.040 <	T .080 <t< td=""></t<>
MAY	BOL	.040 <t< td=""><td>BDL</td><td>BOL</td><td>BDL</td><td>BOL</td></t<>	BDL	BOL	BDL	BOL
JUN	BOL	.030 <7	BOL	BOL	BDL	BOL
JUL	BOL	BOL	.080 <1	BDL	BOL	BDL
AUG	BOL	! SM	.030 <1		BOL	BDL
SEP	BOL	.030 <t< td=""><td>.120 <1</td><td></td><td>.050 <</td><td></td></t<>	.120 <1		.050 <	
OCT	BDL	BOL	.050 <1		BDL	BDL
NOV	BDL	BOL	BDL	BOL	BDL	BDL
DEC	BDL	BDL	BDL	BOL	BOL	BOL
ALUMINUM	(UG/L)			DET'N LIMIT = .05	O GUIDELINE =	100.(A4)
JAN	90.480	24.360	26.680	22.040	18.560	20.880
FEB	16.240	26.680	25.520	22.040		•
	35.960	32.480				•
MAR	32,480	27.840	25.520	23,200	22.040	20.880
APR	33.640	30.160	22.040	15.080	13.920	20.880
MAY	63.800	33.640	31.320	29.000	25.520	29.000
JUN	60.000	58.000	41.000	44.000	35.000	45.000
JUL	61.000	100.000	64.000	74.000	52.000	63.000
AUG	52.000	I SH	75.000	96.000	62.000	67.000
SEP	62.000	98.000	73.000	81.000	70.000	64.000
OCT	56.000	46.000	57.000	44.000	35.000	38.000
NOV	30.000	43.000	38.000	38.000	31.000	27.000
DEC	35.000	39.000	40.000	25.000	20.000	18.000
ARSENIC (ng\r)	***************************************	• • • • • • • • • • • • • • • • • • • •	DET'N LIMIT = 0.0	50 GUIDELINE =	50.0 (A1)
NAL	.630 <t< td=""><td>.380 <ī</td><td>.340 <1</td><td>.330 <t< td=""><td>.290 <</td><td>T .200 <t< td=""></t<></td></t<></td></t<>	.380 <ī	.340 <1	.330 <t< td=""><td>.290 <</td><td>T .200 <t< td=""></t<></td></t<>	.290 <	T .200 <t< td=""></t<>
FEB	.500 <t< td=""><td></td><td>.230 <1</td><td></td><td>.270</td><td></td></t<>		.230 <1		.270	
	.910 <t< td=""><td></td><td></td><td></td><td>•</td><td></td></t<>				•	
MAR	1.200	1.100	.710 <1		.550 <	т .870 <т
APR	.820 <t< td=""><td></td><td>.830 <1</td><td></td><td>.630 <</td><td></td></t<>		.830 <1		.630 <	
MAY	1,100	.660 <7	.700 <1		.820 <	
JUN	1.400	1,600	.760 <1		.930 <	
JUL	1.700	1.400	1.300	.890 <t< td=""><td>.960 <</td><td></td></t<>	.960 <	
AUG	1.100	!SM	.970 <1		.720 <	
SEP	.940 <t< td=""><td></td><td>.830 <1</td><td></td><td>.700 <</td><td></td></t<>		.830 <1		.700 <	
OCT	.800 <t< td=""><td>.500 <7</td><td>.490 <1</td><td></td><td>.410 <</td><td></td></t<>	.500 <7	.490 <1		.410 <	
NOV	.630 <7	.390 <7	.490 <t< td=""><td></td><td>.420 <</td><td></td></t<>		.420 <	
DEC	.420 <t< td=""><td>.520 <t< td=""><td>.660 <1</td><td>•</td><td>.180 <</td><td></td></t<></td></t<>	.520 <t< td=""><td>.660 <1</td><td>•</td><td>.180 <</td><td></td></t<>	.660 <1	•	.180 <	
BARIUM (U	G/L)			DET'N LIMIT = 0.0	20 GUIDELINE =	1000. (A1)
						•

TABLE 5

DRINKING MATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
FEB	15.000	15,000	15,000	15.000		
	15.000	15.000	13.000	13.000	•	·
MAR	15.000	15.000	16.000	16.000	16.000	16.000
APR	14.000	15.000	16.000	15.000	16.000	15.000
MAY	15.000	16.000	16,000	16.000	16.000	16.000
JUN	15.000	15.000	16.000	16.000	16.000	16.000
JUL	15.000	17.000	18.000	18,000	18.000	19.000
AUG	16.000	ISM	16,000	16.000	18.000	17,000
SEP	15.000	16.000	16.000	17.000	17,000	16.000
OCT	15.000	15.000	15.000	16.000	16.000	16.000
NOV	16.000	16.000	15.000	16.000	15.000	16.000
DEC	15.000	16.000	14.000	15.000	15.000	15.000
BORON (UC	G/L)	• • • • • • • • • • • • • • • • • • • •	••••••	DET'N LIMIT = 0.	.200 GUIDELINE =	5000. (A1)
JAN	36,000	34.000	46.000	34.000	37.000	42.000
FEB	45.000	20.000 <7	62.000	47.000	37.000	42.000
	41.000	59.000	DE.000	47.000	•	•
MAR	47.000	46.000	66.000	56.000	53.000	45.000
APR	93.000	59.000	150.000	100.000	69.000	35.000
MAY	120.000	140.000	160.000	120.000	82.000	26.000
JUN	29.000	29.000	40.000	26.000	27.000	27.000
JUL	41.000	41.000	45.000	26,000	40.000	28,000
AUG	36.000	11.000 1SM	52.000	39.000	34.000	37.000
SEP	30.000	33.000	46,000	25.000	40.000	30.000
OCT	22.000	16.000 <t< td=""><td>19.000 <t< td=""><td></td><td>16.000 <7</td><td></td></t<></td></t<>	19.000 <t< td=""><td></td><td>16.000 <7</td><td></td></t<>		16.000 <7	
NOV	14.000 <		29.000	16.000 <t< td=""><td>25.000</td><td>20,000 <</td></t<>	25.000	20,000 <
DEC	11.000 <		15.000 <7		13.000 <1	
ERYLLIUM	(UG/L)	***************************************		DET'N LIMIT = 0.	010 GUIDELINE =	N/A
JAN	.060 <	T .040 <t< td=""><td>.040 <1</td><td>BOL</td><td>.040 <7</td><td>.050 <</td></t<>	.040 <1	BOL	.040 <7	.050 <
FEB	.080 <	T> 060 <t< td=""><td>.050 <t< td=""><td>.130 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	.050 <t< td=""><td>.130 <t< td=""><td></td><td></td></t<></td></t<>	.130 <t< td=""><td></td><td></td></t<>		
	.040 <	T .100 <t< td=""><td></td><td></td><td></td><td></td></t<>				
MAR	.130 <	T .050 <t< td=""><td>BOL</td><td>.060 <t< td=""><td>.030 <7</td><td>.040 <</td></t<></td></t<>	BOL	.060 <t< td=""><td>.030 <7</td><td>.040 <</td></t<>	.030 <7	.040 <
APR	.090 <	T .100 <t< td=""><td>.290 <7</td><td>.220 <t< td=""><td>.140 <t< td=""><td></td></t<></td></t<></td></t<>	.290 <7	.220 <t< td=""><td>.140 <t< td=""><td></td></t<></td></t<>	.140 <t< td=""><td></td></t<>	
HAY	.270 <	T .280 <t< td=""><td>.190 <7</td><td>BOL</td><td>.190 <t< td=""><td></td></t<></td></t<>	.190 <7	BOL	.190 <t< td=""><td></td></t<>	
JUN	BDL	.030 <t< td=""><td>.050 <t< td=""><td>BOL</td><td>,090 <t< td=""><td></td></t<></td></t<></td></t<>	.050 <t< td=""><td>BOL</td><td>,090 <t< td=""><td></td></t<></td></t<>	BOL	,090 <t< td=""><td></td></t<>	
JUL	.020 <	T BDL	BDL	BOL	.030 <1	
AUG	.140 <	T ISM	.070 <t< td=""><td></td><td>.100 <t< td=""><td></td></t<></td></t<>		.100 <t< td=""><td></td></t<>	
SEP	8DL	BOL	.020 <7	BDL	BDL	BOL
OCT	.020 <	T BOL	BDL	BOL	BDL	BOL
NOV	BDL	BDL	BOL	BOL	.020 <1	
DEC	BDL	BOL	BOL	BOL	BOL	BOL
ADMIUM (1	UG/L)			DET'N LIMIT = 0.	050 GUIDELINE =	5.000 (A1)
MAL	BDL	BDL	BOL	BDL	BOL	BOL
FEB	BOL	BOL	.100 <7	BOL	BUL	BUL
	.070 <			BUL	•	•

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

DISTRIBUTION SYSTEM

	RAW		TREATED	SITE 1		SITE 2		
				STANDING	FREE FLOW	STAND ING	FREE FLOW	
MAR	.070	~ T	BOL	.170 <	T .120 <t< td=""><td>. 140</td><td><t .080<="" td=""><td><t< td=""></t<></td></t></td></t<>	. 140	<t .080<="" td=""><td><t< td=""></t<></td></t>	<t< td=""></t<>
APR	.080		BDL	BOL	BOL	BDL		
MAY	.070		BDL	BOL	BDL	BOL		
JUN	.120		BOL	.100 <		BDL		
JUL	RDL	~1	BDL	.150 <		.110		
AUG	BDL		ISM	.200 <		BDL	BDL	
SEP	BDL		BDL	BOL	BOL	BDL		
OCT	BDL		BDL	BOL	BOL	BDL		
NOV	BOL		BOL	BOL	BDL	BOL		
DEC	BOL		BDL	.190 <		BOL	BDL	
COBALT (UG/L)	• • • • • •			DET'N LIMIT = 0	.020 GUIDELINE	= N/A	
JAN	.260	<t< td=""><td>.190 <1</td><td>.160 <</td><td>T .150 <t< td=""><td>.150</td><td><t .280<="" td=""><td><T</td></t></td></t<></td></t<>	.190 <1	.160 <	T .150 <t< td=""><td>.150</td><td><t .280<="" td=""><td><T</td></t></td></t<>	.150	<t .280<="" td=""><td><T</td></t>	< T
FEB	.210		.190 <1		T .140 <t< td=""><td></td><td></td><td></td></t<>			
	.100		.090 <1					
MAR	.190		.160 <1			نه1.	<t .120<="" td=""><td><t< td=""></t<></td></t>	<t< td=""></t<>
APR	.050		.070 <1					
MAY	.170		.280 <1					
JUN	.200		.160 <1					<1
JUL	22,000		.270 <1					<1
AUG	.120	<t< td=""><td>ISN</td><td>.140 <</td><td></td><td></td><td></td><td><t< td=""></t<></td></t<>	ISN	.140 <				<t< td=""></t<>
SEP	.200		.100 <1					
OCT	.140		.090 <1					
NOV	.250		.060 <1			.110		
DEC	.140		.140 <1			.110		
HROMIUM	(UG/L)		•	OET'N LIMIT = 0	.100 GUIDELINE	= 50. (A1)	
JAN	4.300		3.800	4.100	3,700	4.200	4.000	
FEB	6.700		.820 <1	3,900	6.700			
	4.600		6.700					
MAR	5.500		4.600	5.300	5.800	5.500	4.400	
APR	3.400		1.800	5.300	3.700	2.500	.920	<t< td=""></t<>
MAY	5.300		6.000	5.400	5.000	3,300		<1
JUN	4.100		3.700	3.200	2,700	3.100	3,100	
JUL	5.000		4.300	3,900	1.700	4.100		
AUG	4.300		1.5W	4.100	4,500	3,700		
SEP	2.800		2.800	2,900	1.300	2,600		
OCT	3.400		.160 <1		.790 <1			
NOV	BDL		BOL	BOL	BOL	1,800		
DEC	BDL		BOL	BOL	BOL	BDL		.,
OPPER (JG/L)			•	OET'N LIMIT = .	100 GUIDELINE	= 1000 (A3)	
JAN	2.200		1.200	93.000	4.800	14.000	7.100	
FEB	1.400		1.100	110.000	4,100			
	16.000		.710 <1		4.100	•	•	
MAD					5 000	15 000		
MAR APR	16.000 2.700 3.900		.710 <1 1.000 <1 1.300		5.900 6.200	15.000 29.000		

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
MAY	2.600	1.400	98.000	5.600	16.000	7.700
JUN	2.800	1.700	110.000	7.100	36.000	8.500
JUL	6.800	1,800	89.000	5.000	27.000	6.500
AUG	2.600	! SM	96,000	8.800	20.000	5.800
SEP	2,700	1,900	95,000	5.500	31.000	7.700
OCT	2.000	1,300	23.000	7.100	20.000	5.700
NOV	2.300	1.500	9.200	3,600	21.000	5.000
DEC	3.100 <	tT 1.100 <t< td=""><td>57.000</td><td>4.800 <t< td=""><td>25.000</td><td>5.000 <t< td=""></t<></td></t<></td></t<>	57.000	4.800 <t< td=""><td>25.000</td><td>5.000 <t< td=""></t<></td></t<>	25.000	5.000 <t< td=""></t<>
IRON (UG,	/L)			DET'N LIMIT = 4.0	000 GUIDELINE = 3	300. (A3)
JAN	110.000	49.000 <t< td=""><td>150.000</td><td>130.000</td><td>77.000</td><td>66.000</td></t<>	150.000	130.000	77.000	66.000
FEB	20.000 <	T 5.900 <t< td=""><td>100.000</td><td>77.000</td><td></td><td></td></t<>	100.000	77.000		
	64.000	BOL				
MAR	34.000 <	T 6.800 <t< td=""><td>97.000</td><td>75.000</td><td>54.000</td><td>12.000 <t< td=""></t<></td></t<>	97.000	75.000	54.000	12.000 <t< td=""></t<>
APR	28.000 <	T 17.000 <t< td=""><td>72.000</td><td>41.000 <t< td=""><td>17.000 <t< td=""><td>88.000</td></t<></td></t<></td></t<>	72.000	41.000 <t< td=""><td>17.000 <t< td=""><td>88.000</td></t<></td></t<>	17.000 <t< td=""><td>88.000</td></t<>	88.000
MAY	52.000	8.300 <t< td=""><td>83.000</td><td>47.000 <t< td=""><td>68.000</td><td>24.000 <t< td=""></t<></td></t<></td></t<>	83.000	47.000 <t< td=""><td>68.000</td><td>24.000 <t< td=""></t<></td></t<>	68.000	24.000 <t< td=""></t<>
JUN	63.000	10.000 <t< td=""><td>51.000</td><td>30.000 <t< td=""><td>25.000 <t< td=""><td>46.000 <t< td=""></t<></td></t<></td></t<></td></t<>	51.000	30.000 <t< td=""><td>25.000 <t< td=""><td>46.000 <t< td=""></t<></td></t<></td></t<>	25.000 <t< td=""><td>46.000 <t< td=""></t<></td></t<>	46.000 <t< td=""></t<>
JUL	84.000	11.000 <t< td=""><td>130.000</td><td>130.000</td><td>37.000 <t< td=""><td>60.000</td></t<></td></t<>	130.000	130.000	37.000 <t< td=""><td>60.000</td></t<>	60.000
AUG	59.000	ISM	84,000	49.000 <t< td=""><td>19,000 <t< td=""><td>31.000 <t< td=""></t<></td></t<></td></t<>	19,000 <t< td=""><td>31.000 <t< td=""></t<></td></t<>	31.000 <t< td=""></t<>
SEP	100.000	15.000 <t< td=""><td>110,000</td><td>81.000</td><td>130,000</td><td>56.000</td></t<>	110,000	81.000	130,000	56.000
OCT	120.000	8.300 <t< td=""><td>130,000</td><td>60,000</td><td>30.000 <t< td=""><td>44.000 <t< td=""></t<></td></t<></td></t<>	130,000	60,000	30.000 <t< td=""><td>44.000 <t< td=""></t<></td></t<>	44.000 <t< td=""></t<>
NOV	45.000 <	T 9.000 <t< td=""><td>90,000</td><td>60,000</td><td>74.000</td><td>33.000 <t< td=""></t<></td></t<>	90,000	60,000	74.000	33.000 <t< td=""></t<>
DEC	55.000 <	7 9.000 <t< td=""><td>220.000</td><td>110.000</td><td>67.000</td><td>44.000 <t< td=""></t<></td></t<>	220.000	110.000	67.000	44.000 <t< td=""></t<>
MERCURY (UG/L)	*****************	************	DET'N LIMIT = 0.0	010 GUIDELINE =	1.000 (A1)
JAN	.040 <	T .020 <t< td=""><td></td><td>BOL</td><td></td><td>BOL</td></t<>		BOL		BOL
FEB	BDL	BOL		.050 <t< td=""><td></td><td></td></t<>		
	.040 <	T BOL				
MAR	.020 <	T .020 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>BOL</td></t<></td></t<>		.020 <t< td=""><td></td><td>BOL</td></t<>		BOL
APR	.030 <	T .040 <t< td=""><td></td><td>.040 <t< td=""><td></td><td>BOL</td></t<></td></t<>		.040 <t< td=""><td></td><td>BOL</td></t<>		BOL
MAY	.020 <	T .030 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>BOL</td></t<></td></t<>		.020 <t< td=""><td></td><td>BOL</td></t<>		BOL
JUN	.040 <	T .040 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>.020 <7</td></t<></td></t<>		.020 <t< td=""><td></td><td>.020 <7</td></t<>		.020 <7
JUL	.030 <	T .040 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>.030 <t< td=""></t<></td></t<></td></t<>		.020 <t< td=""><td></td><td>.030 <t< td=""></t<></td></t<>		.030 <t< td=""></t<>
AUG	.020 <			.030 <t< td=""><td></td><td>BDL</td></t<>		BDL
SEP	BOL	BOL	·	.040 <t< td=""><td>•</td><td>.030 <7</td></t<>	•	.030 <7
OCT	.020 <	T BDL	•	.040 <t< td=""><td>•</td><td>BOL</td></t<>	•	BOL
NOV	.020 <		•	BOL	•	IRE
DEC	BOL	.020 <t< td=""><td>•</td><td>.020 <t< td=""><td>•</td><td>BOL</td></t<></td></t<>	•	.020 <t< td=""><td>•</td><td>BOL</td></t<>	•	BOL
MANGANESE	(UG/L)		• • • • • • • • • • • • • • • • • • • •	DET'N LIMIT = .05	0 GUIDELINE = 5	50.0 (A3)
JAN	4.300	.460 <1	10,000	9.300	8.100	4,300
FEB	1.800	.360 <t< td=""><td>8.900</td><td>6.500</td><td></td><td></td></t<>	8.900	6.500		
	3.600	.180 <t< td=""><td></td><td></td><td>•</td><td>•</td></t<>			•	•
MAR	1.700	.360 <7	7.900	5.500	5.800	1.900
APR	2.000	.370 <1	5.300	3.800	3.500	11.000
MAY	2.700	.400 <7	8.200	5.200	8,400	3,600
JUN	3.800	.580	5.900	5.500	3.900	7.300
	3.000	. 500	3.700	3.300	3.900	7.300

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATE	D	SITE 1		SITE 2	
				STANDING	FREE FLOW	STANDING	FREE FLOW
***	22.000	44	^	6.500	8.200	5.300	8.500
JUL	3.400	.61		3.700	4,100	5.900	
SEP	4.400		0	8,600	17.000	16.000	
OCT	4.500		0 <t< td=""><td>10,000</td><td>5.300</td><td>2,400</td><td></td></t<>	10,000	5.300	2,400	
NOV	2.500		0 <t< td=""><td>11.000</td><td>7.700</td><td>13.000</td><td></td></t<>	11.000	7.700	13.000	
DEC	2.400		0 <t< td=""><td>18.000</td><td>10.000</td><td>9.200</td><td></td></t<>	18.000	10.000	9.200	
MOLYBOENUM	(UG/L)			DET'N LIMIT = (0.020 GUIDELINE	= N/A
JAN	.410	<t .53<="" td=""><td>0</td><td>.430 <</td><td>T .450 <1</td><td>.420</td><td><t .450="" <t<="" td=""></t></td></t>	0	.430 <	T .450 <1	.420	<t .450="" <t<="" td=""></t>
FEB	.770	.83	0	.740	.720		•
	.600	.68	0	•	•		•
MAR	.680	.73		.760	.690	.710	
APR	.820	.79	-	.780	. 820	.800	
MAY	.800	.75		.740	.730	.740	
JUN	.840	.80		.780	.790	.820	
JUL	1.100	1.00		.980	1.100	1.000	
AUG	.660	15		.700	.740	.710	
SEP	.740	.78	-	.820	.750	.710	****
OCT	.520			.430 <			•
NOV	.500 .440		7> 0 7> 0	.560 .460 <	.460 <1 1> 440 . T		
NICKEL (UG,	/L) 1,200	<t 80<="" td=""><td>0 <t< td=""><td>1.300 <</td><td>DET'N LIMIT = 0</td><td></td><td></td></t<></td></t>	0 <t< td=""><td>1.300 <</td><td>DET'N LIMIT = 0</td><td></td><td></td></t<>	1.300 <	DET'N LIMIT = 0		
FEB	.970		0 <t< td=""><td>1.300 <</td><td></td><td></td><td></td></t<>	1.300 <			
, 20	.780		0 <t< td=""><td>1.500</td><td></td><td></td><td></td></t<>	1.500			
MAR	1.200		0 <t< td=""><td>1.600 <</td><td></td><td>r 1.000</td><td><t .410="" <t<="" td=""></t></td></t<>	1.600 <		r 1.000	<t .410="" <t<="" td=""></t>
APR	.840		0 <t< td=""><td>1,400 <</td><td></td><td></td><td></td></t<>	1,400 <			
MAY	1.400			1.800 <			
JUN	1.400	<t 1.10<="" td=""><td>0 <t< td=""><td>2.100</td><td>.680 <1</td><td>1.200</td><td><t .960="" <t<="" td=""></t></td></t<></td></t>	0 <t< td=""><td>2.100</td><td>.680 <1</td><td>1.200</td><td><t .960="" <t<="" td=""></t></td></t<>	2.100	.680 <1	1.200	<t .960="" <t<="" td=""></t>
JUL	1.800	<t 1.60<="" td=""><td>0 <t< td=""><td>5.000</td><td>1.400 <1</td><td>2.600</td><td>BOL</td></t<></td></t>	0 <t< td=""><td>5.000</td><td>1.400 <1</td><td>2.600</td><td>BOL</td></t<>	5.000	1.400 <1	2.600	BOL
AUG	.820	<t 15<="" td=""><td>M</td><td>2.400</td><td>.610 <1</td><td>.620</td><td><t .320="" <t<="" td=""></t></td></t>	M	2.400	.610 <1	.620	<t .320="" <t<="" td=""></t>
SEP	1.100	<t 1.20<="" td=""><td>0 <t< td=""><td>2.000 <</td><td>T 1.100 <1</td><td>1.600</td><td><t .810="" <t<="" td=""></t></td></t<></td></t>	0 <t< td=""><td>2.000 <</td><td>T 1.100 <1</td><td>1.600</td><td><t .810="" <t<="" td=""></t></td></t<>	2.000 <	T 1.100 <1	1.600	<t .810="" <t<="" td=""></t>
ост	.770	<1 .75	0 <t< td=""><td>2.000 <</td><td>T .460 <1</td><td>.900</td><td><7 .430 <7</td></t<>	2.000 <	T .460 <1	.900	<7 .430 <7
NOV	.520		0 <t< td=""><td>1.900 <</td><td></td><td></td><td></td></t<>	1.900 <			
DEC	.750	<t .81<="" td=""><td>0 <t< td=""><td>51.000</td><td>.870 <1</td><td>1.900</td><td><t .690="" <t<="" td=""></t></td></t<></td></t>	0 <t< td=""><td>51.000</td><td>.870 <1</td><td>1.900</td><td><t .690="" <t<="" td=""></t></td></t<>	51.000	.870 <1	1.900	<t .690="" <t<="" td=""></t>
LEAD (UG/L)				DET'N LIMIT = (0.050 GUIDELINE	= 50. (A1)
JAN	.460	.32		3.300	.210	.420	.200 <t< td=""></t<>
FEB	.710		T> 0	3.500	.110 <1		•
	1.900		0 <t< td=""><td>•</td><td>•</td><td></td><td>•</td></t<>	•	•		•
MAR	.550		0 <t< td=""><td>2.700</td><td>.130 <1</td><td></td><td></td></t<>	2.700	.130 <1		
APR	.940		0 <t< td=""><td>2.000</td><td>.060 <1</td><td></td><td></td></t<>	2.000	.060 <1		
HAY	.890		0 <t< td=""><td>3.100</td><td>.220</td><td>.500</td><td></td></t<>	3.100	.220	.500	
JUN	.850	.40		4.300	.330	.870	
JUL	1.200	.44		6.100	.200 <1		
AUG	1.000	15	~	11.000	.620	.770	.450

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW		TREATED	s	ITE 1		SITE 2		
				STAND	ING	FREE FLOW	STANDING	FREE FLOW	
	200		700		7.400	.440	3,100		90
SEP OCT	.900 .500		.780 .210		2.800	.420	.860		80
NOV	.300		.270		.420	.160 <t< td=""><td>.660</td><td></td><td>60 <t< td=""></t<></td></t<>	.660		60 <t< td=""></t<>
DEC	.270		BDL		4.100	.100 <t< td=""><td>.670</td><td></td><td>90 <t< td=""></t<></td></t<>	.670		90 <t< td=""></t<>
ANTIMONY	(UG/L)		••••••		DET'N LIMIT = .050	COLDELINE	= 146. (D4)	
JAN	.420		.400		.520	.500	.500	.6	30
FEB	. 690		.720		.660	.730			
	.620		.600			•			
MAR	.690		.680		.690	.580	.610	.5	40
APR	.530		.500		.570	.400	.520	.6	20
MAY	.700		.940		.890	.730	.790	.7	30
JUN	.700		.930		.980	.930	.950	.8	90
JUL	39.000		.990		.750	.680	.810	.9	90
AUG	.880		ISM		1.000	.770	.920	.8.	80
SEP	.500		.490		.580	.600	.610	.5	20
OCT	.520		.530		.560	.630	.530	.4	90
NOV	.870		.430		1.100	.440	.650	.4	80
DEC	.520		.370	<t< td=""><td>.520</td><td>.500 <t< td=""><td>.550</td><td>.5</td><td>T> 00</td></t<></td></t<>	.520	.500 <t< td=""><td>.550</td><td>.5</td><td>T> 00</td></t<>	.550	.5	T> 00
SELENIUM	(UG/L)				DET'N LIMIT = 0.20	O GUIDELINE	= 10. (A1)	•••••
JAN	BOL		BOL		BDL	.330 <7	BOL	5	80 <t< td=""></t<>
FEB	.840		2.100	-7	2.300 <t< td=""><td></td><td>BUL</td><td></td><td>•</td></t<>		BUL		•
	2.800		4.700		2.300 1	2.300 1	•		•
MAR	1.700		2.200	-	1.700 <t< td=""><td>4.100 <t< td=""><td>3.200</td><td>∠T 2.7</td><td>T> 00</td></t<></td></t<>	4.100 <t< td=""><td>3.200</td><td>∠T 2.7</td><td>T> 00</td></t<>	3.200	∠T 2.7	T> 00
APR	2.700		5.600		4.700 <t< td=""><td></td><td>5.900</td><td></td><td>00 <t< td=""></t<></td></t<>		5.900		00 <t< td=""></t<>
MAY	1,600		1.500		4.300 <t< td=""><td></td><td>2.600</td><td></td><td>00 <t< td=""></t<></td></t<>		2.600		00 <t< td=""></t<>
JUN	BDL	-1	1.400		2.500 <t< td=""><td></td><td>3.100</td><td></td><td>T> 00</td></t<>		3.100		T> 00
JUL	1.800	∢T	3.600		3.300 <t< td=""><td></td><td>5.500</td><td></td><td>T> 004</td></t<>		5.500		T> 004
AUG	BOL	-1	J.000		3.100 <t< td=""><td></td><td>3.300</td><td></td><td>00 <t< td=""></t<></td></t<>		3.300		00 <t< td=""></t<>
SEP	1.400	<t< td=""><td>1.800</td><td></td><td>1.200 <t< td=""><td></td><td>BOL</td><td></td><td>00 <t< td=""></t<></td></t<></td></t<>	1.800		1.200 <t< td=""><td></td><td>BOL</td><td></td><td>00 <t< td=""></t<></td></t<>		BOL		00 <t< td=""></t<>
OCT	BOL	*,	BOL		1.100 <7		BOL		DL VI
NOV	BOL		BOL		BOL	BDL	BOL		00 <t< td=""></t<>
DEC	BOL		1.100	<1	BOL	1.100 <7	BOL		DL .
STRONTIUM	(UG/L)		•		DET'N LIMIT = .050	GUIDELINE	= N/A	
JAN	94.000		93.000	•	5.000	96.000	99.000	97.0	100
FEB	110.000		100.000		0.000	110.000	,,,,,,		
	100.000		100.000	• •	0.000	110.000	•		•
MAR	100.000		100,000	11	0.000	110,000	110.000	110.0	100
APR	100.000		100.000		0.000	100.000	110.000	100.0	
HAY	100.000		100.000		0.000	100.000	110.000	100.0	
JUN	110.000		110.000		0.000	110.000	110.000	110.0	
JUL	110.000		110.000		0.000	110.000	120.000	110.0	
AUG	110.000		I SH		0.000	110.000	110.000	110.0	
SEP	100.000		100.000		0.000	110.000	110.000	100.0	
OCT	110.000		100.000		0.000	100.000			
· ·	110.000		100.000	10	0.000	100.000	110.000	100.0	•••

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
NOV	100.000	100.000	100.000	100.000	100.000	100.000
DEC	100.000	110.000	110.000	100.000	100.000	110.000
MUINATIT	(UG/L)			DET'N LIMIT = .050	GUIDELINE =	N/A
JAN	4,000	2.900	2.700	2.700	2.700	2.600
FEB	3.300	2.700	2.900	2.800		•
	4.800	4.100	•	•	•	•
MAR	4.700	3.100	3.300	3.100	3.000	3.200
APR	6.300	5.400	5.700	5.300	5.500	5.700
MAY	4.500	2.900	3.400	3.100	2.600	3.100
JUN	7.700	6.300	7.100	6.300	7.100	6.500
JUL	7.100	5.200	5.600	5.600	6.000	3.800
AUG	5.600	! SM	3.500	3.100	3.100	3.900
SEP	7.700	7.700	6.800	6.300	7.100	6.600
OCT	4.300	3.700	3.200	3.100	3.200	3.300
NOV	3.900	4.300	4.200	3.500	3.400	3.900
DEC	3.900 <t< td=""><td>3.400 <t< td=""><td>4.200 <1</td><td>7> 3.600 <t< td=""><td>4.300 <t< td=""><td>4.200 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	3.400 <t< td=""><td>4.200 <1</td><td>7> 3.600 <t< td=""><td>4.300 <t< td=""><td>4.200 <t< td=""></t<></td></t<></td></t<></td></t<>	4.200 <1	7> 3.600 <t< td=""><td>4.300 <t< td=""><td>4.200 <t< td=""></t<></td></t<></td></t<>	4.300 <t< td=""><td>4.200 <t< td=""></t<></td></t<>	4.200 <t< td=""></t<>
THALLIUM	(UG/L)			DET'N LIMIT = .010	GUIDELINE =	13. (04)
JAN	BOL	BDL	BOL	BDL	BOL	BOL
FEB	.020 <t< td=""><td>.090 <7</td><td>.090 <1</td><td>.080 <t< td=""><td></td><td></td></t<></td></t<>	.090 <7	.090 <1	.080 <t< td=""><td></td><td></td></t<>		
	BDL	BDL	•	•		•
MAR	BDL	.040 <t< td=""><td>BOL</td><td>BDL</td><td>BDL</td><td>BDL</td></t<>	BOL	BDL	BDL	BDL
APR	BDL	BDL	BDL	BOL	BDL	BOL
HAY	.070 <t< td=""><td>BOL</td><td>BOL</td><td>.020 <t< td=""><td>.030 <t< td=""><td>BDL</td></t<></td></t<></td></t<>	BOL	BOL	.020 <t< td=""><td>.030 <t< td=""><td>BDL</td></t<></td></t<>	.030 <t< td=""><td>BDL</td></t<>	BDL
JUN	BDL	BOL	BOL	.060 <t< td=""><td>.040 <t< td=""><td>.050 <t< td=""></t<></td></t<></td></t<>	.040 <t< td=""><td>.050 <t< td=""></t<></td></t<>	.050 <t< td=""></t<>
JUL	BDL	BOL	BDL	BDL	BOL	BDL
AUG	.050 <t< td=""><td>! SH</td><td>.080 <</td><td>.060 <t< td=""><td>.020 <t< td=""><td>BDL</td></t<></td></t<></td></t<>	! SH	.080 <	.060 <t< td=""><td>.020 <t< td=""><td>BDL</td></t<></td></t<>	.020 <t< td=""><td>BDL</td></t<>	BDL
SEP	BDL	BOL	BDL	BDL	.020 <t< td=""><td>BOL</td></t<>	BOL
OCT	.040 <t< td=""><td>BDL</td><td>.020 <</td><td>BOL</td><td>BDL</td><td>BDL</td></t<>	BDL	.020 <	BOL	BDL	BDL
NOV	BOL	BOL	BOL	BDL	.020 <t< td=""><td>BOL</td></t<>	BOL
DEC	BOL	BOL	BDL	BOL	BOL	BOL
JRANIUM (JG/L)			DET'N LIMIT = .020	GUIDELINE =	100.(B1)
JAN	.280	.090 <7	.060 <	.070 <t< td=""><td>.050 <t< td=""><td>.060 <t< td=""></t<></td></t<></td></t<>	.050 <t< td=""><td>.060 <t< td=""></t<></td></t<>	.060 <t< td=""></t<>
FEB	.500	.150 <t< td=""><td>.190 <</td><td>.140 <t< td=""><td></td><td></td></t<></td></t<>	.190 <	.140 <t< td=""><td></td><td></td></t<>		
	.310	.150 <t< td=""><td></td><td></td><td></td><td></td></t<>				
MAR	.390	.170 <7	.150 <	.170 <t< td=""><td>.110 <t< td=""><td>.290</td></t<></td></t<>	.110 <t< td=""><td>.290</td></t<>	.290
APR	.390	.160 <t< td=""><td>.160 <</td><td></td><td>.150 <t< td=""><td>.300</td></t<></td></t<>	.160 <		.150 <t< td=""><td>.300</td></t<>	.300
HAY	.360	.140 <t< td=""><td>.110 <</td><td></td><td>.170 <t< td=""><td></td></t<></td></t<>	.110 <		.170 <t< td=""><td></td></t<>	
JUN	.400	.130 <t< td=""><td>.080 <</td><td></td><td>.100 <t< td=""><td>.110 <t< td=""></t<></td></t<></td></t<>	.080 <		.100 <t< td=""><td>.110 <t< td=""></t<></td></t<>	.110 <t< td=""></t<>
JUL	.390	.100 <t< td=""><td>.090 <</td><td></td><td>.100 <t< td=""><td></td></t<></td></t<>	.090 <		.100 <t< td=""><td></td></t<>	
AUG	.480	ISH	.110 <		.090 <1	
	.430	.150 <t< td=""><td>.140 <</td><td></td><td>,160 <t< td=""><td></td></t<></td></t<>	.140 <		,160 <t< td=""><td></td></t<>	
SEP		.050 <t< td=""><td></td><td></td><td>.040 <t< td=""><td></td></t<></td></t<>			.040 <t< td=""><td></td></t<>	
SEP OCT	. 230					
OCT NOV	.230 .210	.090 <7	.070 < .050 <		.050 <1	

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW		TREATED	SITE 1			SITE 2		
				STANDING		FREE FLOW	STANDING	F	REE FLOW
VANADIUM	(UG/L)			•••	DET'N LIMIT = .050	GUIDELINE	= N/A	
JAN	.360	<1	.410 <t< td=""><td>.390</td><td><T</td><td>.350 <t< td=""><td>.310</td><td><t< td=""><td>.310 <7</td></t<></td></t<></td></t<>	.390	< T	.350 <t< td=""><td>.310</td><td><t< td=""><td>.310 <7</td></t<></td></t<>	.310	<t< td=""><td>.310 <7</td></t<>	.310 <7
FEB	.350	<1	.620	.510		.510			
	.370	<t< td=""><td>.580</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	.580						
MAR	.310	<t< td=""><td>.570</td><td>.460</td><td><₹</td><td>.450 <t< td=""><td>.400</td><td><t< td=""><td>.430 <t< td=""></t<></td></t<></td></t<></td></t<>	.570	.460	<₹	.450 <t< td=""><td>.400</td><td><t< td=""><td>.430 <t< td=""></t<></td></t<></td></t<>	.400	<t< td=""><td>.430 <t< td=""></t<></td></t<>	.430 <t< td=""></t<>
APR	.270	<1	.550	.370	< T	.400 <t< td=""><td>.350</td><td><1</td><td>.410 <t< td=""></t<></td></t<>	.350	<1	.410 <t< td=""></t<>
MAY	.420	<t< td=""><td>.700</td><td>.540</td><td></td><td>.580</td><td>.490</td><td><t< td=""><td>.510</td></t<></td></t<>	.700	.540		.580	.490	<t< td=""><td>.510</td></t<>	.510
JUN	.420	<1	.630	.550		.610	.610		.660
JUL	.480	<1	.900	.690		.710	.650		.700
AUG	.430	<1	I SH	.580		.680	.540		.540
SEP	.330	<₹	.740	.700		.610	.740		.570
OCT	.400	<1	.520	.570		.460 <t< td=""><td>.370</td><td><1</td><td>.420 <t< td=""></t<></td></t<>	.370	<1	.420 <t< td=""></t<>
NOV	.410	<1	.590	.470	۲>	.480 <t< td=""><td>.340</td><td><t< td=""><td>.380 <t< td=""></t<></td></t<></td></t<>	.340	<t< td=""><td>.380 <t< td=""></t<></td></t<>	.380 <t< td=""></t<>
DEC	.210	<₹	.320 <t< td=""><td>.530</td><td></td><td>.250 <t< td=""><td>.230</td><td><7</td><td>.240 <1</td></t<></td></t<>	.530		.250 <t< td=""><td>.230</td><td><7</td><td>.240 <1</td></t<>	.230	<7	.240 <1
ZINC (UG/	′L)					DET'N LIMIT = .001	GUIDELINE	= 5000	. (A3)
JAN	2.400		15.000	43.000		1.700	19.000		7.000
FEB	2.900		7.700	140.000		2.000			
	3.400		2.800						
MAR	3.200		4.700	74.000		2.400	4.800		1.900
APR	3.300		9.800	62,000		3.000	5,700		2.900
MAY	3.000		6.500	57.000		2.300	4.800		3.300
JUN	3.400		13.000	61.000		3.000	12.000		3.200
JUL	5.900		12,000	56.000		1.800	11.000		2.300
AUG	2.700		1SM	54.000		2.300	4.400		2.100
SEP	3.000		11.000	27.000		1.500	16.000		2.000
OCT	1.700		8.400	6.800		3.300	17.000		2.200
NOV	2.600		6.700	6.300		1.800	3.500		2.200
DEC	2.500		1.100 <t< td=""><td>14,000</td><td></td><td>1.800 <t< td=""><td>9.000</td><td></td><td>1.400 <t< td=""></t<></td></t<></td></t<>	14,000		1.800 <t< td=""><td>9.000</td><td></td><td>1.400 <t< td=""></t<></td></t<>	9.000		1.400 <t< td=""></t<>

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW TREATED		SITE 1	SITE 1		
			STANDING	FREE FLOW	STANDING	FREE FLOW
•••••	CHL	OROAROMATICS			••••••	•
HEXACHLORO	BUTADIENE (NG/L)	DET'N LI	MIT = 1.000	GUIDELINE =	450 (D4)
JAN	BOL	BOL	•	BOL		BOL
FEB	3.000 <	T BOL		BOL		
	BOL	BDL				
MAR	BOL	BOL	•	BOL		BOL
APR	BOL	BDL	•	BOL	•	BOL
MAY	BOL	BOL	•	BOL		BDL
JUN	BOL	BOL	•	BOL	•	BDL
JUL	BDL	BOL	•	BOL	•	BOL
AUG	BOL	BOL		BDL		BOL
SEP	BOL	BOL		BDL		BDL
OCT	BOL	BOL	•	. BOL		BOL
NOV	BOL	BDL	•	BDL		BOL
DEC	BOL	BDL	•	BOL		BOL

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	PES	TICIDES & PCB				
ALPHA BHC	(NG/L)		DET'N L	IMIT = 1.000	GUIDELINE =	700 (G)
JAN	2.000 <	T 3.000	∢7 .	BDL		1.000 <7
FEB	2.000 <	T BDL		BDL	•	•
	1.000 <	T BDL		•	•	•
MAR	2.000 <	T 1.000	<t .<="" td=""><td>BOL</td><td>•</td><td>1.000 <t< td=""></t<></td></t>	BOL	•	1.000 <t< td=""></t<>
APR	BOL	BOL		BOL	•	BOL
MAY	BDL	BOL		BDL	•	BOL
JUN	BOL	BDL		BDL	•	BDL
JUL	2.000 <	T BOL		BOL	•	BDL
AUG	80 L	BDL		BOL		2.000 <7
SEP	1.000 <	T BDL		BOL		BOL
OCT	2.000 <	T BOL		BOL		BOL
NOV	1.000 <	T BOL		BDL	•	BOL
DEC	2.000 <	T BOL	•	BDL	•	BOL
LINDANE (N	G/L)		DET'N L	IMIT = 1.000	GUIDELINE =	4000 (A1)
JAN	2.000 <	7 BDL		BDL		BDL
FEB	BOL	BDL		BOL		
	BDL	BOL				
MAR	BDL	BOL		BOL		BOL
APR	BDL	BDL		BOL		BDL
MAY	BDL	BOL		BDL		BOL
JUN	BDL	BOL	· ·	BOL	•	BOL
JUL	BOL	BDL	· ·	BOL		BOL
AUG	BDL	BDL	· ·	BOL		BDL
SEP	BOL	BOL	·	BOL	•	BOL
OCT	BOL	BOL	•	BOL	•	BOL
NOV	BDL	BOL	•	BOL	•	BOL
DEC	BDL	BOL	•	BOL	:	BOL
ATRAZINE (N	(G/L)	• • • • • • • • • • • • • • • • • • • •	DET'N L	IMIT = 50.00	GUIDELINE =	60000 (B3)
JAN	BOL	BOL		BDL	•	BDL
FEB	BDL	BOL		BDL	•	
	BDL .	BOL				
MAR	BOL	BDL		BDL		BDL
APR	BOL	BOL		BDL		BDL
MAY	BOL	BOL		BOL		BOL
JUN	BDL	BOL		BDL		BDL
JUL	BDL	BOL		BOL		BDL
AUG	BDL	BOL			,	
SEP	106.000 <	T BOL				
OCT	180.000 <1		·	•	•	•
NOV	BDL	BOL	•	•	•	•
	- L	- DOL	•	•		•

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WITP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STAND ING	FREE FLOW	STANDING	FREE FLOW
	PHENOLI	cs		• • • • • • • • • • • • • • • • • • • •		
PHENOLICS	(UG/L)		DET'N L	IMIT = 0.2	GUIDELINE =	2.00 (A3)
JAN	115	1.600				
FEB	1.200	2.000				
	1.600	1.600				•
MAR	.600 <t< td=""><td>.400 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.400 <t< td=""><td></td><td></td><td></td><td></td></t<>				
APR	1.000	.800 <t< td=""><td></td><td></td><td></td><td></td></t<>				
MAY	1.000	.600 <t< td=""><td></td><td></td><td></td><td></td></t<>				
JUN	.800 <t< td=""><td>.400 <t< td=""><td></td><td></td><td>•</td><td></td></t<></td></t<>	.400 <t< td=""><td></td><td></td><td>•</td><td></td></t<>			•	
JUL	1.000	.600 <t< td=""><td></td><td></td><td></td><td></td></t<>				
AUG	115	BOL				
SEP	.800 <t< td=""><td>.400 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.400 <t< td=""><td></td><td></td><td></td><td></td></t<>				
OCT	1.600	1.000 <t< td=""><td></td><td></td><td></td><td></td></t<>				
WOV	BOL	BOL				
DEC	BOL	BOL				

TABLE 5

WATER TREATMENT PLANT

M-XYLENE (UG/L)

DISTRIBUTION SYSTEM

DET'N LIMIT = .100 GUIDELINE = 300 (84)

	RAW		TREATED	SITE 1		SITE 2	
				STANDING	FREE FLOW	STANDING	FREE FLOW
	v	OLATILE	:				
BENZENE	(UG/L)				DET'N LIMIT = .050	GUIDELINE =	5.0 (81)
JAN	.200	<₹	.150 <t< td=""><td>•</td><td>.150 <t< td=""><td></td><td>.150 <t< td=""></t<></td></t<></td></t<>	•	.150 <t< td=""><td></td><td>.150 <t< td=""></t<></td></t<>		.150 <t< td=""></t<>
FEB	.250	<t< td=""><td>.200 <t< td=""><td></td><td>.150 <t< td=""><td></td><td>•</td></t<></td></t<></td></t<>	.200 <t< td=""><td></td><td>.150 <t< td=""><td></td><td>•</td></t<></td></t<>		.150 <t< td=""><td></td><td>•</td></t<>		•
	.550				•		•
	.450	<7	.100 <t< td=""><td></td><td>•</td><td></td><td>•</td></t<>		•		•
MAR	. 150	<t< td=""><td>.050 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<></td></t<></td></t<>	.050 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<></td></t<>		.100 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<>		.100 <t< td=""></t<>
APR	.250	<7	.050 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>.050 <t< td=""></t<></td></t<></td></t<>		.100 <t< td=""><td></td><td>.050 <t< td=""></t<></td></t<>		.050 <t< td=""></t<>
HAY	.100		BDL		.100 <t< td=""><td></td><td>.050 <t< td=""></t<></td></t<>		.050 <t< td=""></t<>
JUN	.200		.050 <t< td=""><td></td><td>BOL</td><td></td><td>BOL</td></t<>		BOL		BOL
JUL	.050		BDL		BOL		BDL
· AUG	BOL		.050 <7		.050 <t< td=""><td></td><td>BDL</td></t<>		BDL
SEP	.100		.050 <7		IU		.050 <t< td=""></t<>
OCT	BDL		BDL .	•	8DL		BOL
NOV	BOL		8DL	•	BOL	•	BDL
DEC	BOL BOL		BOL	:	BOL		BOL
TOLUENE	(UG/L)				DET'N LIMIT = .050	GUIDELINE =	24.0 (B4)
		_			400		100 -7
JAN	.100		.100 <t< td=""><td>•</td><td>.100 <t< td=""><td>•</td><td>.100 <t< td=""></t<></td></t<></td></t<>	•	.100 <t< td=""><td>•</td><td>.100 <t< td=""></t<></td></t<>	•	.100 <t< td=""></t<>
FEB	.050	<t< td=""><td>.050 <t< td=""><td>•</td><td>BOL</td><td>•</td><td>•</td></t<></td></t<>	.050 <t< td=""><td>•</td><td>BOL</td><td>•</td><td>•</td></t<>	•	BOL	•	•
	BOL		8DL		•	•	
MAR	80L		BDL		BOL	•	BOL
APR	3.200		.400 <t< td=""><td></td><td>.300 <t< td=""><td>•</td><td>.500</td></t<></td></t<>		.300 <t< td=""><td>•</td><td>.500</td></t<>	•	.500
MAY	BOL		BOL	•	.050 <7	•	BDL
JUN	.350	<t< td=""><td>.100 <t< td=""><td></td><td>.100 <t< td=""><td>•</td><td>.100 <t< td=""></t<></td></t<></td></t<></td></t<>	.100 <t< td=""><td></td><td>.100 <t< td=""><td>•</td><td>.100 <t< td=""></t<></td></t<></td></t<>		.100 <t< td=""><td>•</td><td>.100 <t< td=""></t<></td></t<>	•	.100 <t< td=""></t<>
JUL	BDL		.050 <t< td=""><td></td><td>.150 <7</td><td>•</td><td>.100 <t< td=""></t<></td></t<>		.150 <7	•	.100 <t< td=""></t<>
AUG	BOL		.100 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<></td></t<>		.100 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<>		.100 <t< td=""></t<>
SEP	.150	<t< td=""><td>BDL</td><td></td><td>10</td><td></td><td>BDL</td></t<>	BDL		10		BDL
OCT	BOL		BDL		BOL		8DL
NOV	BOL		BDL		BOL		BDL
DEC	BOL		BOL		BOL		BDL
ETHYLBE	NZENE (UG/L)			DET'N LIMIT = .050	GUIDELINE =	2.4 (B4)
JAN	.100	<1	8DL		BOL		8DL
FEB	BDL		BDL	•	BOL	•	
1.23	.100		8DL	•		•	•
MAR	.050			•	BDL	•	.050 <t< td=""></t<>
			BDL 100 cT	•		•	.150 <t< td=""></t<>
APR	.250		.100 <t< td=""><td>•</td><td>.050 <t< td=""><td>•</td><td></td></t<></td></t<>	•	.050 <t< td=""><td>•</td><td></td></t<>	•	
MAY	BOL		BDL	•	BDL	•	80L 050 -7
JUN	. 100		.050 <t< td=""><td>•</td><td>.050 <t< td=""><td>•</td><td>.050 <t< td=""></t<></td></t<></td></t<>	•	.050 <t< td=""><td>•</td><td>.050 <t< td=""></t<></td></t<>	•	.050 <t< td=""></t<>
JUL	BDL		BOL		BDL	•	BOL
AUG	BOL		BDL	•	BOL		BDL
SEP	BOL		BOL	•	10	•	BOL
OCT	BOL		BOL		BOL		BOL
NOV	BOL		BOL		BOL		BDL
DEC	BOL		BOL		.050 <7		BOL

TABLE 5

WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
JAN	BDL	BOL		BOL		BOL
FEB	BOL	BOL		BDL		
	.200 <t< td=""><td>BOL</td><td></td><td></td><td></td><td></td></t<>	BOL				
MAR	BDL	BDL		BOL		80L
APR	.700 <t< td=""><td>.100 <t< td=""><td></td><td>BDL</td><td></td><td>.200 <t< td=""></t<></td></t<></td></t<>	.100 <t< td=""><td></td><td>BDL</td><td></td><td>.200 <t< td=""></t<></td></t<>		BDL		.200 <t< td=""></t<>
MAY	BOL	BDL		BDL		BDL
JUN	.200 <t< td=""><td>BOL</td><td>-</td><td>BDL</td><td></td><td>BDL</td></t<>	BOL	-	BDL		BDL
JUL	BOL	BOL		.100 <t< td=""><td></td><td>BOL</td></t<>		BOL
AUG	BOL	BDL		BOL		BDL
SEP	BOL	BDL		IU		BDL
OCT	BDL	BDL		BDL		BDL
NOV	BDL	BDL		BOL		BOL
DEC	BOL	BDL		BDL		BOL
-XYLENE (I	UG/L)			DET'N LIMIT = .0	50 GUIDELINE =	: 300 (B4)
JAN	BDL	BDL		BOL		BOL
FEB	BDL	BDL		BDL		
	.100 <t< td=""><td>BOL</td><td></td><td></td><td></td><td></td></t<>	BOL				
MAR	BDL	BDL		BOL		BDL
APR	.250 <t< td=""><td>.100 <t< td=""><td></td><td>BOL</td><td></td><td>.050 <t< td=""></t<></td></t<></td></t<>	.100 <t< td=""><td></td><td>BOL</td><td></td><td>.050 <t< td=""></t<></td></t<>		BOL		.050 <t< td=""></t<>
MAY	BDL	BDL	-	BOL		BDL
JUN	.100 <t< td=""><td>.050 <t< td=""><td></td><td>BDL</td><td></td><td>BOL</td></t<></td></t<>	.050 <t< td=""><td></td><td>BDL</td><td></td><td>BOL</td></t<>		BDL		BOL
JUL	BDL	BOL		.050 <t< td=""><td></td><td>BDL</td></t<>		BDL
AUG	BDL	BDL		BDL		BDL
SEP	BOL	BOL		10		BDL
OCT	BDL	BOL		BDL		BDL
NOV	BDL	BDL		BDL		BDL
DEC	BDL	BOL		BOL		BOL
TYRENE (UC	G/L)			DET'N LIMIT = .C	50 GUIDELINE :	46.5 (D2)
JAN	.200 <t< td=""><td>BDL</td><td></td><td>BOL</td><td></td><td>BOL</td></t<>	BDL		BOL		BOL
FEB	.100 <t< td=""><td>BDL</td><td></td><td>BOL</td><td></td><td></td></t<>	BDL		BOL		
	BDL	BOL				
MAR	.100 <t< td=""><td>BOL</td><td></td><td>.050 <t< td=""><td></td><td>.050 <1</td></t<></td></t<>	BOL		.050 <t< td=""><td></td><td>.050 <1</td></t<>		.050 <1
APR	.300 <t< td=""><td>BOL</td><td></td><td>BOL</td><td></td><td>.050 <1</td></t<>	BOL		BOL		.050 <1
MAY	BDL	BOL		.100 <t< td=""><td></td><td>BOL</td></t<>		BOL
JUN	.200 <t< td=""><td>.050 <t< td=""><td></td><td>.350 <t< td=""><td></td><td>.300 <</td></t<></td></t<></td></t<>	.050 <t< td=""><td></td><td>.350 <t< td=""><td></td><td>.300 <</td></t<></td></t<>		.350 <t< td=""><td></td><td>.300 <</td></t<>		.300 <
JUL	BDL	BOL		.050 <7		BDL
AUG	BDL	BOL		.050 <t< td=""><td></td><td>BDL</td></t<>		BDL
SEP	BDL	.400 <t< td=""><td>•</td><td>IU</td><td></td><td>BDL</td></t<>	•	IU		BDL
OCT	BDL	BDL		BDL		BOL
NOV	.100 <t< td=""><td>.150 <t< td=""><td></td><td>.150 <7</td><td></td><td>.050 <1</td></t<></td></t<>	.150 <t< td=""><td></td><td>.150 <7</td><td></td><td>.050 <1</td></t<>		.150 <7		.050 <1
DEC	BDL	BDL		BOL	•	.150 <1
	(UG/L)			DET'N LIMIT = .1	00 GUIDELINE :	= 350 (A1+)
HLOROFORM	(06/1)					
HLOROFORM JAN	.100 <t< td=""><td>10.000</td><td></td><td>5.700</td><td></td><td>9.700</td></t<>	10.000		5.700		9.700

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
						••••••
FEB	BOL	7.200	•		•	:
MAR	.200 <t< td=""><td>11.500</td><td>•</td><td>5.500</td><td>•</td><td>7.000</td></t<>	11.500	•	5.500	•	7.000
APR	.200 <t< td=""><td>8.900</td><td>•</td><td>4.900</td><td>•</td><td>4.200</td></t<>	8.900	•	4.900	•	4.200
MAY	BOL	8.000	•	4.500	•	5.300
JUN	BDL	14.000		9.800	•	13.200
JUL	.100 <t< td=""><td>15.600</td><td>•</td><td>7.600</td><td>•</td><td>10.100</td></t<>	15.600	•	7.600	•	10.100
AUG	.700 <t< td=""><td>15.700</td><td>•</td><td>11.400</td><td>•</td><td>13.600</td></t<>	15.700	•	11.400	•	13.600
SEP	.300 <7	25.400		10		17.000
OCT	BDL	8.100		6.500		7.000
NOV	BDL	7.500		5.700		6.700
DEC	BDL	11.800	•	6.100	•	9.300
111, TRICHL	OROETHANE (UG/	'L)		DET'N LIMIT = .02	O GUIDELINE =	200 (01)
JAN	BOL	BOL		BOL		BDL
FEB	BOL	BOL	•	BOL		
	BOL	BOL	•		•	
MAR	.040 <7	.020 <t< td=""><td>•</td><td>.020 <t< td=""><td>•</td><td>.020 <</td></t<></td></t<>	•	.020 <t< td=""><td>•</td><td>.020 <</td></t<>	•	.020 <
APR	BOL	BOL	•	BDL	•	BDL
MAY	BDL	BOL	•		•	
			•	BOL	•	BOL
JUN	BOL	BOL	•	BOL	•	BOL
JUL	BDL	BOL	•	BOL	•	BOL
AUG	BDL	BDL	•	BOL	•	BDL
SEP	.020 <7	BDL	•	10	•	BDL
OCT	BDL	BOL	•	BOL		BDL
NOV	BDL	BDL	•	BOL		BOL
DEC	BOL	BDL	•	BOL	•	BOL
CARBON TETR	ACHLORIDE (UG/	L)		DET'N LIMIT = .20	0 GUIDELINE =	5.0 (D1)
JAN	BOL	BOL		BOL		BDL
FEB	BOL	BOL		BDL		
	BOL	BDL				
MAR	BOL	BDL		BOL		BOL
APR	BOL	BOL		BDL		BDL
MAY	BOL	BDL		BOL	•	BOL
JUN	BDL	BDL	•	BDL	•	BOL
JUL	BOL	BOL	•	BOL	•	BOL
AUG	BDL	BOL	•	BOL	•	BOL
SEP	BDL	BOL	•	IU	•	BOL
OCT	BDL		•		•	
NOV		BDL	•	BDL	•	BOL
	BDL	.400 <t< td=""><td>•</td><td>.400 <t< td=""><td>•</td><td>BDL</td></t<></td></t<>	•	.400 <t< td=""><td>•</td><td>BDL</td></t<>	•	BDL
DEC	BDL	BOL	•	BOL		BOL
1,2 DICHLOR	OPROPANE (UG/L)		DET'N LIMIT = .05	O GUIDELINE =	10.0 (G)
MAL	BOL	BOL		BOL		BOL
	BOL	BOL		BDL	-	
FEB	DO C					
PEB	BDL	BOL	•		•	•

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

1	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLO⊌
						201
	3OL	BDL	•	BDL.	•	BOL
	BOL	BDL	•	BOL	•	BOL
	BDL	BDL	•	BOL	•	BDL
	BOL	BDL	•	BOL	•	BDL
	BOL	BDL	•	BDL	•	BOL
	BOL	BDL	•	10	•	BOL
	BOL	BOL	•	BDL	•	BOL
	BOL	BOL	•	BOL	•	BOL
DEC .:	300 <t< td=""><td>BOL</td><td></td><td>BDL</td><td></td><td>BOL</td></t<>	BOL		BDL		BOL
ICHLOROBROMOMET	HANE (UG/L)		DET'N LIMIT = .050	GUIDELINE =	350 (A1+)
JAN I	BOL	5.800		5.500		5.850
FEB I	BOL	6.850		6.500		
	BOL	5.850		•	•	
MAR 1	3DL	6.350		5.350		6.400
APR .	100 <t< td=""><td>8.650</td><td></td><td>7.800</td><td></td><td>7.500</td></t<>	8.650		7.800		7.500
MAY I	BOL	6.400		6.300		6.700
JUN E	BOL	7,100		7.050		8.000
JUL I	3DL	9.600		9.300		9.150
AUG I	BDL	8.800		7.850		8.250
SEP E	BDL	12.300		IU		10.750
	3DL	6.250		5,900		5,900
	BOL	8.800		8.000		7.950
	BOL	8.050	•	6.300	•	7.500
HLOROD I BROMOMETI	ANE (UG/L)		DET'N LIMIT = .100	GUIDELINE =	350 (A1+)
JAN E	BDL .	2.900		2.900	_	2.900
	NDL	5.500	•	5.500	•	
	ED L	5.300	•	7.700	•	
	IDL .	2.800	•	2.600	•	3.200
	NDL NDL	7.600	•	7.600	•	7.100
	MDL.	6.300	•	6.900	•	6.800
	EDL EDL	2.500	•	2.800	•	3.100
	NDL NDL	7.900	•	8.200	•	7.500
			•		•	4.600
	£DL £DL	4.400 6.900	•	4,400 !U	•	6.700
	_		•	4.000	•	3.900
	DL.	3.300	•		•	7.300
	MDL.	7.400	•	7.300	•	
DEC E	PDL	4.300		3.900		3.900
-CHLOROETHYLENE	(UG/L)		DET'N LIMIT = .050	GUIDELINE =	10.0 (C2)
JAN .1	100 <t< td=""><td>BOL</td><td></td><td>BDL</td><td></td><td>BOL</td></t<>	BOL		BDL		BOL
FEB 8	M) L	BOL		BDL	•	
	\$DL	BOL				
MAR E	3DL	BDL		BDL		BOL
APR E	3DL	BOL		BDL		BOL
MAY E	BOL	BDL	-	BOL		BDL

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STAND ING	FREE FLOW	STANDING	FREE FLOW
				050 -7		.050 <t< td=""></t<>
JUN	BOL	BDL	•	.050 <t< td=""><td>•</td><td>.050 <1</td></t<>	•	.050 <1
JUL	BOL	BOL	•	.050 <t< td=""><td>•</td><td>8DL</td></t<>	•	8DL
AUG	BDL	BOL	•	BOL	•	BOL
SEP	BDL	.100 <t< td=""><td>•</td><td>10</td><td>•</td><td>BOL</td></t<>	•	10	•	BOL
ост	BOL	BDL	•	BOL	•	
NOV	BOL	BOL	•	BOL	•	BOL
DEC	BDL	BOL		SO L		BOL
BROMOFORM (U	G/L)			DET'N LIMIT = .2	00 GUIDELINE =	350 (A1+)
JAN	BOL	.200 <7		.400 <1		.200 <t< td=""></t<>
FEB	BOL	1.000 <t< td=""><td></td><td>1.000 <t< td=""><td></td><td>•</td></t<></td></t<>		1.000 <t< td=""><td></td><td>•</td></t<>		•
	BOL	1.200 <t< td=""><td></td><td>•</td><td></td><td>•</td></t<>		•		•
MAR	BOL	.400 <t< td=""><td></td><td>.400 <t< td=""><td></td><td>.400 <t< td=""></t<></td></t<></td></t<>		.400 <t< td=""><td></td><td>.400 <t< td=""></t<></td></t<>		.400 <t< td=""></t<>
APR	BOL	1.400 <t< td=""><td></td><td>1.200 <t< td=""><td></td><td>1.400 <t< td=""></t<></td></t<></td></t<>		1.200 <t< td=""><td></td><td>1.400 <t< td=""></t<></td></t<>		1.400 <t< td=""></t<>
MAY	BOL	1.800 <t< td=""><td></td><td>1.600 <t< td=""><td></td><td>1.400 <t< td=""></t<></td></t<></td></t<>		1.600 <t< td=""><td></td><td>1.400 <t< td=""></t<></td></t<>		1.400 <t< td=""></t<>
JUN	BOL	.400 <t< td=""><td></td><td>.400 <t< td=""><td></td><td>.400 <t< td=""></t<></td></t<></td></t<>		.400 <t< td=""><td></td><td>.400 <t< td=""></t<></td></t<>		.400 <t< td=""></t<>
JUL	BOL	1,600 <t< td=""><td></td><td>1.400 <t< td=""><td></td><td>1.600 <t< td=""></t<></td></t<></td></t<>		1.400 <t< td=""><td></td><td>1.600 <t< td=""></t<></td></t<>		1.600 <t< td=""></t<>
AUG	BDL	.600 <t< td=""><td></td><td>.600 <t< td=""><td></td><td>.600 <t< td=""></t<></td></t<></td></t<>		.600 <t< td=""><td></td><td>.600 <t< td=""></t<></td></t<>		.600 <t< td=""></t<>
SEP	BOL	1.000 <t< td=""><td></td><td>IU</td><td>•</td><td>1.000 <t< td=""></t<></td></t<>		IU	•	1.000 <t< td=""></t<>
OCT	BDL	.400 <t< td=""><td></td><td>.800 <t< td=""><td></td><td>.600 <t< td=""></t<></td></t<></td></t<>		.800 <t< td=""><td></td><td>.600 <t< td=""></t<></td></t<>		.600 <t< td=""></t<>
NOV	BDL	1.600 <t< td=""><td></td><td>1.800 <t< td=""><td></td><td>1.800 <t< td=""></t<></td></t<></td></t<>		1.800 <t< td=""><td></td><td>1.800 <t< td=""></t<></td></t<>		1.800 <t< td=""></t<>
DEC	BDL	.800 <t< td=""><td>•</td><td>.800 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<></td></t<>	•	.800 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<>	•	.600 <t< td=""></t<>
TOTL TRIHALO	ETHANES (UG/	L)		DET'N LIMIT = .5	00 GUIDELINE	= 350 (A1)
JAN	BOL	18.900		14.500		18.650
FEB	BOL	18.350		17.100		
	BOL	19.550				
MAR	BOL	21.050		13.850		17.000
APR	BOL	26.550		21,500		20.200
HAY	BOL	22.500		19.300		20.200
JUN	BOL	24.000	•	20.050		24.700
JUL	BOL	34.700	•	26.500		28.350
AUG	.700 <t< td=""><td>29.500</td><td>•</td><td>24.250</td><td>-</td><td>27.050</td></t<>	29.500	•	24.250	-	27.050
SEP	BOL	45.600	•	10	-	35,450
OCT	BOL	18.050	•	17.200	•	17.400
NOV	BDL	25.300	•	22.800	•	23.750
DEC	BDL	24.850	•	16.950	•	21.300

TRACE LEVELS OF TOLUENE ARE LABORATORY ARTIFACTS DERIVED FROM THE ANALYTICAL METHODOLOGY.

TRACE LEVELS OF STYRENE ARE CONSIDERED TO BE LABORATORY ARTIFACTS RESULTING FROM THE LABORATORY SHIPPING CONTAINERS.

Table 6

	_	DETECTION			
SCAN/PARAMETER	UNIT	LIMIT	GUIDELINE		
BACTERIOLOGICAL					
FECAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	0 (A1)		
STANDARD PLATE COUNT MEMBRANE	CT/HL	0	500/ML(A1)		
FILTRATION					
TOTAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	5/100mL(A1)		
TOTAL COLIFORM BACKGROUND MF	CT/100ML	0	N/A		
CHLOROAROMATICS					
HEXACHLOROBUTADIENE	NG/L	1.000	450. (D4)		
1,2,3-TRICHLOROBENZENE	NG/L	5.000	10000 (I)		
1,2,3,4-TETRACHLOROBENZENE	NG/L	1.000	10000 (I)		
1,2,3,5-TETRACHLOROBENZENE	NG/L	1.000	10000 (I)		
1,2,4-TRICHLOROBENZENE	NG/L	5.000	10000 (I)		
1,2,4,5-TETRACHLOROBENZENE	NG/L	1.000	38000 (D4)		
1,3,5-TRICHLOROBENZENE	NG/L	5.000	10000 (D4)		
HEXACHLOROBENZENE	NG/L	1.0	10. (C1)		
HEXACHLOROETHANE	NG/L	1.000	1900. (D4)		
OCTACHLOROSTYRENE	NG/L	1.000	•		
PENTACHLOROBENZENE	NG/L	1.000	74000 (D4)		
2,3,6-TRICHLOROTOLUENE	NG/L	5.000	•		
2,4,5-TRICHLOROTOLUENE	NG/L	5.000	N/A		
2,6,A-TRICHLOROTOLUENE	NG/L	5.000	N/A		
CHLOROPHENOLS					
2,3,4-TRICHLOROPHENOL	NG/L	50.	N/A		
2,3,4,5-TETRACHLOROPHENOL	NG/L	50.	N/A		
2,3,5,6-TETRACHLOROPHENOL	NG/L	50.	N/A		
2,4,5-TRICHLOROPHENOL	NG/L	50. 2	600000 (D4)		
2,4,6-TRICHLOROPHENOL	NG/L	50.	2000. (B4)		
PENTACHLOROPHENOL	NG/L	50.	30000. (B4)		
CHEMISTRY (FLD)					
FIELD COMBINED CHLORINE RESIDUAL	MG/L	N/A	N/A		
FIELD FREE CHLORINE RESIDUAL	MG/L	N/A	- N/A		
FIELD TOTAL CHLORINE RESIDUAL	MG/L	N/A	N/A		
FIELD PH	DMSNLESS	N/A	6.5-8.5(A4)		
FIELD TEMPERATURE	°c	N/A	<15 °C(A1)		
FIELD TURBIDITY	FTU	N/A	1.0 (A1)		
CHEMISTRY (LAB)					
ALKALINITY	MG/L	. 200	30-500(A4)		
CALCIUM	MG/L	.100			
CYANIDE	MG/L	.001	.20(A1)		
CHLORIDE	MG/L	.200	250. (A3)		
COLOUR	TCU	. 5	5.0 (A3)		
CONDUCTIVITY	UMHO/CM	1.	400. (F2)		
FLUORIDE	MG/L	.01	2.4 (A1)		
HARDNESS	MG/L	.50	80-100(A4)		
MAGNESIUM	MG/L	.05	30. (F2)		

	DETECTION				
SCAN/PARAMETER	UNIT	LIMIT	GUIDEI	LINE	
NITRITE	MG/L	.001		(A1)	
TOTAL NITRATES	MG/L	.02		(A1)	
NITROGEN TOTAL KJELDAHL	MG/L	.02	N/A		
PH	DMSNLESS		6.5-8.5	(A4)	
PHOSPHORUS FIL REACT	MG/L	.000			
PHOSPHORUS TOTAL	MG/L	.002)(F2)	
SULPHATE	MG/L		500.		
TOTAL SOLIDS	MG/L	1.	500.		
TURBIDITY	FTU	.02	1.0	(A1)	
METALS					
ALUMINUM	UG/L	.050	100.	(A4)	
ANTIMONY	UG/L	.050		(F3)	
ARSENIC	UG/L	.050		(A1)	
BARIUM	UG/L		1000.	(A1)	
BORON	UG/L		5000.	(A1)	
BERYLLIUM	UG/L	.010) (H)	
CADMIUM	UG/L	.050			
COBALT	UG/L		1000.	(H)	
CHROMIUM	UG/L	.100	50.	(A1)	
COPPER	UG/L	.100	1000.	(A3)	
IRON	UG/L	5.0	300.	(A3)	
MERCURY	UG/L	.01	1.0	(A1)	
MANGANESE	UG/L	.050	50.	(A3)	
MOLYBDENUM	UG/L	.020	500.	(H)	
NICKEL	UG/L	.100	50.	(F3)	
LEAD	UG/L	.020	50.	(A1)	
SELENIUM	UG/L	.200	10.	(A1)	
SILVER	UG/L	.020	50.	(A1)	
STRONTIUM	UG/L	.100	2000.	(H)	
THALLIUM	UG/L	.010	13.	(D4)	
TITANIUM	UG/L	.100	N/A		
URANIUM	UG/L	.020	20.	(A2)	
VANADIUM	UG/L	.020	100.	(H)	
ZINC	UG/L	.020	5000.	(A3)	
PHENOLICS					
PHENOLICS (UNFILTERED REACTIVE)	UG/L	. 2	2.0	(A3)	
PESTICIDES & PCB					
ALDRIN	NG/L	1.0	700.	(A1)	
AMETRINE	NG/L	50. 3	00000.	(D3)	
ATRAZINE	NG/L	50.	60000.	(B3)	
ALPHA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0	700.	(G)	
BETA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0	300.	(G)	
GAMMA HEXACHLOROCYCLOHEXANE (LINDANE)		1.0	4000.	(A1)	
ALPHA CHLORDANE	NG/L	2.0	7000.	(A1)	
GAMMA CHLORDANE	NG/L	2.0	7000.	(A1)	
BLADEX	NG/L	100.	10000.	(B3)	
DIELDRIN	NG/L	2.0	700.	(A1)	
METHOXYCHLOR	NG/L	5.0 9	00000.	(B1)	
ENDOSULFAN 1 (THIODAN I)	NG/L		74000.	(D4)	
ENDOSULFAN 2 (THIODAN II)	NG/L	4.0	74000.	(D4)	
ENDRIN	NG/L	4.0	200.	(A1)	
ENDOSULFAN SULPHATE (THIODAN SULPHATE)NG/L	4.0	N/A		

	DETECTION			
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE
HEPTACHLOR EPOXIDE	NG/L	1.0	3000.	(A1)
HEPTACHLOR	NG/L	1.0	3000.	(A1)
METOLACHLOR	NG/L	500.	50000.	(B3)
MIREX	NG/L	5.0	N/A	(,
OXYCHLORDANE	NG/L	2.0	N/A	
O,P-DDT	NG/L	5.0	30000.	(A1)
PCB	NG/L	20.0	3000.	(A2)
O,P-DDD	NG/L	5.0	N/A	
PPDDE	NG/L	1.0	30000.	(A1)
PPDDT	NG/L	5.0	30000.	(A1)
ATRATONE	NG/L	50.	N/A	
ALACHLOR	NG/L	500.	35000.	(D2)
PROMETONE	NG/L	50.	52500.	(D3)
PROPAZINE	NG/L	50.	16000.	(D2)
PROMETRYNE	NG/L	50.	1000.	(B3)
SENCOR (METRIBUZIN)	NG/L	100.		(B2)
SIMAZINE	NG/L	50.	10000.	(B3)
POLYAROMATIC HYDROCARBONS				
PHENANTHRENE	NG/L	10.0	N/A	
ANTHRACENE	NG/L	1.0	N/A	
FLUORANTHENE	NG/L	20.0	42000.	(D4)
PYRENE	NG/L	20.0	N/A	
BENZO(A)ANTHRACENE	NG/L	20.0	N/A	
CHRYSENE	NG/L	50.0	N/A	
DIMETHYL BENZO(A)ANTHRACENE	NG/L	5.0	N/A	
BENZO (E) PYRENE	NG/L	50.0	N/A	
BENZO (B) FLUORANTHENE	NG/L	10.0	N/A	
PERYLENE	NG/L	10.0	N/A	
BENZO(K) FLUORANTHENE	NG/L	1.0	N/A	
BENZO(A) PYRENE	NG/L	5.0	10.	(B1)
BENZO(G, H, I) PERYLENE	NG/L	20.0	N/A	
DIBENZO(A, H) ANTHRACENE	NG/L	10.0	N/A	
INDENO(1,2,3-C,D)PYRENE	NG/L NG/L	20.0	N/A N/A	
BENZO(B)CHRYSENE CORONENE	NG/L	10.0	N/A	
SPECIFIC PESTICIDES				
TOXAPHENE	NG/L	N/A	5000.	(A1)
2,4,5-TRICHLOROBUTYRIC ACID	NG/L	50.	200000.	(B4)
(2,4,5-T)	, _			\- - /
2,4-DICHLOROBUTYRIC ACID (2,4-D)	NG/L	100.	100000.	(A1)
2,4-DICHLORORPHENOXYBUTYRIC ACID	NG/L	200.	18000.	(B3)
2,4-D PROPIONIC ACID	NG/L	100.	N/A	
DICAMBA	NG/L	100.	120000.	(B1)
PICLORAM	NG/L	100.	190000.	(B3)
SILVEX (2,4,5-TP)	NG/L	50.	10000.	(A1)
DIAZINON	NG/L	20.	20000.	(B1)
DICHLOROVOS	NG/L	20.	N/A	
DURSBAN	NG/L	20.	N/A	
ETHION	NG/L	20.	35000.	(G)
GUTHION (AZINPHOSMETHYL)	NG/L	N/A	20000.	(B1)
MALATHION	NG/L	20.	190000.	(B1)
MEVINPHOS	NG/L	20.	N/A	(33)
METHYL PARATHION METHYLTRITHION	NG/L	50. 20.	7000. N/A	(A1)
ELITERATION	NG/L	20.	H/A	

			,	
	DETECTION			
SCAN/PARAMETER	UNIT	LIMIT	GUIDELINE	
PARATHION	NG/L		50000. (B1)	
PHORATE (THIMET)	NG/L	20.	2000. (B3)	
RELDAN	NG/L	20.	N/A	
RONNEL	NG/L	20.	N/A	
AMINOCARB	NG/L	N/A	N/A	
BENONYL	NG/L	N/A	N/A	
BUX (METALKAMATE)	NG/L	2000.	N/A	
CARBOFURAN	NG/L	2000.	90000. (B1)	
CICP (CHLORPROPHAM)	NG/L	2000. 3	50000. (G)	
DIALLATE	NG/L	2000.	30000. (H)	
EPTAM	NG/L	2000.	N/A	
IPC	NG/L	2000.	N/A	
PROPOXUR (BAYGON)	NG/L	2000.	90000. (G)	
SEVIN (CARBARYL)	NG/L	200.	90000. (B1)	
SUTAN (BUTYLATE)	NG/L	2000. 24	45000. (D3)	
VOLATILES				
VOLKTILLS				
BENZENE	UG/L	.050	5.0 (B1)	
TOLUENE	UG/L	.050		
ETHYLBENZENE	UG/L	.050		
PARA-XYLENE	UG/L	.100		
META-XYLENE	UG/L	.100	•	
ORTHO-XYLENE	UG/L	.050	, ,	
1,1-DICHLOROETHYLENE	UG/L	.100	7.0 (D1)	
ETHLYENE DIBROMIDE	UG/L	.05	.05 G)	
METHYLENE CHLORIDE	UG/L	.500	•	
TRANS-1,2-DICHLOROETHYLENE	UG/L	.100		
1,1-DICHLOROETHANE	UG/L	.100	N/A	
-,	, -	00	/	

UG/L

.100

.020

.050

.200

.050

.100

.050

.050

.100

.050

.200

.050

.100

.100

.100

.050

.100

.500

.05

350.

200.

50.

350.

350.

350.

60.

130.

N/A

350.

140.

(A1+)

(D1)

(B1)

(A1+)

(A1+)

(A1+)

(D5)

(G)

(A1)

(D5)

5.0 (D1)

5.0 (B1)

6.0 (D5)

.60(D4)

10.0 (C2)

0.17(D4)

1.0 (B4)

3.0 (B4)

CHLOROFORM

BROMOFORM

STYRENE

CHLOROBENZENE

1,1,1-TRICHLOROETHANE

CARBON TETRACHLORIDE

DICHLOROBROMOMETHANE

CHLORODI BROMOMETHANE

TETRACHLOROETHYLENE

1,4-DICHLOROBENZENE

1,3-DICHLOROBENZENE

1,2-DICHLOROBENZENE

TRIFLUOROCHLOROTOLUENE

TOTAL TRIHALOMETHANES

1,1,2-TRICHLOROETHANE

1,1,2,2-TETRACHLOROETHANE

1.2-DICHLOROPROPANE

TRICHLOROETHYLENE

1,2-DICHLOROETHANE

Table 6

	DETECTION			
SCAN/PARAMETER	UNIT	LIMIT	GUIDELINE	
BACTERIOLOGICAL				
FECAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	0 (A1)	
STANDARD PLATE COUNT MEMBRANE	CT/ML	0	500/ML(A1)	
FILTRATION				
TOTAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	5/100mL(A1)	
TOTAL COLIFORM BACKGROUND MF	CT/100ML	0	N/A	
CHLOROAROMATICS				
HENN OR ODODIUM DIENE	NG/L	1 000	450. (D4)	
HEXACHLOROBUTADIENE 1,2,3-TRICHLOROBENZENE	NG/L NG/L		10000 (I)	
1,2,3,4-TETRACHLOROBENZENE	NG/L		10000 (I)	
1,2,3,5-TETRACHLOROBENZENE	NG/L		10000 (1)	
1,2,4-TRICHLOROBENZENE	NG/L		10000 (I)	
1,2,4,5-TETRACHLOROBENZENE	NG/L		38000 (D4)	
1,3,5-TRICHLOROBENZENE	NG/L	5.000	10000 (D4)	
HEXACHLOROBENZENE	NG/L	1.0	10. (C1)	
HEXACHLOROETHANE	NG/L	1.000	1900. (D4)	
OCTACHLOROSTYRENE	NG/L	1.000	N/A	
PENTACHLOROBENZENE	NG/L	1.000	74000 (D4)	
2,3,6-TRICHLOROTOLUENE	NG/L	5.000	•	
2,4,5-TRICHLOROTOLUENE	NG/L	5.000	•	
2,6,A-TRICHLOROTOLUENE	NG/L	5.000	N/A	
CHLOROPHENOLS				
2,3,4-TRICHLOROPHENOL	NG/L	50.	N/A	
2,3,4,5-TETRACHLOROPHENOL	NG/L	50.	N/A	
2,3,5,6-TETRACHLOROPHENOL	NG/L	50.	N/A	
2,4,5-TRICHLOROPHENOL	NG/L	50. 2	600000 (D4)	
2,4,6-TRICHLOROPHENOL	NG/L	50.	2000. (B4)	
PENTACHLOROPHENOL	NG/L	50.	30000. (B4)	
CHEMISTRY (FLD)				
FIELD COMBINED CHLORINE RESIDUAL	MG/L	N/A	N/A	
FIELD FREE CHLORINE RESIDUAL	MG/L	N/A	N/A	
FIELD TOTAL CHLORINE RESIDUAL	MG/L	N/A	N/A	
FIELD PH	DMSNLESS	N/A	6.5-8.5(A4)	
FIELD TEMPERATURE	°c	N/A	<15 °C(A1)	
FIELD TURBIDITY	FTU	N/A	1.0 (A1)	
CHEMISTRY (LAB)				
ALKALINITY	MG/L	.200	30-500(A4)	
CALCIUM	MG/L	.100	100. (F2)	
CYANIDE	MG/L	.001	.20(A1)	
CHLORIDE	MG/L	.200	250. (A3)	
COLOUR	TCU	. 5	5.0 (A3)	
CONDUCTIVITY	UMHO/CM	1.	400. (F2)	
FLUORIDE	MG/L	.01	2.4 (A1)	
HARDNESS	MG/L	.50	80-100 (A4)	
MAGNESIUM	MG/L	.05	30. (F2)	

	D	DETECTION		
SCAN/PARAMETER	UNIT	LIMIT	GUIDELINE	
NITRITE	MG/L	.00	1.0 (A1)	
TOTAL NITRATES	MG/L	.02	10. (A1)	
NITROGEN TOTAL KJELDAHL	MG/L	.02	N/A	
PH	DMSNLESS	N/A	6.5-8.5(A4)	
PHOSPHORUS FIL REACT	MG/L	.000	05 N/A	
PHOSPHORUS TOTAL	MG/L	.002	.40(F2)	
SULPHATE	MG/L	.200	500. (A3)	
TOTAL SOLIDS	MG/L	1.	500. (A3)	
TURBIDITY	FTU	.02	1.0 (A1)	
METALS				
ALUMINUM	UG/L	.050) 100. (A4)	
ANTIMONY	UG/L	.050	10. (F3)	
ARSENIC	UG/L	.050	50. (A1)	
BARIUM	UG/L	.020	1000. (A1)	
BORON	UG/L	.200	5000. (A1)	
BERYLLIUM	UG/L	.010		
CADMIUM	UG/L	.050	5.0 (A1)	
COBALT	UG/L	.020	1000. (H)	
CHROMIUM	UG/L	.100	50. (A1)	
COPPER	UG/L	.100	1000. (A3)	
IRON	UG/L	5.0	300. (A3)	
MERCURY	UG/L	.01	1.0 (A1)	
MANGANESE	UG/L	.050	50. (A3)	
MOLYBDENUM	UG/L	.020	500. (H)	
NICKEL	UG/L	.100	50. (F3)	
LEAD	UG/L	.020		
SELENIUM	UG/L	.200		
SILVER	UG/L	.020		
STRONTIUM	UG/L		2000. (H)	
THALLIUM	UG/L	.010	, ,	
TITANIUM	UG/L		N/A	
URANIUM	UG/L	.020		
VANADIUM	UG/L		100. (н)	
ZINC	UG/L		5000. (A3)	
PHENOLICS				
PHENOLICS (UNFILTERED REACTIVE)	UG/L	.2	2.0 (A3)	
PESTICIDES & PCB				
ALDRIN	NG/L	1.0	700. (A1)	
AMETRINE	NG/L		300000. (D3)	
ATRAZINE	NG/L	50.	60000. (B3)	
ALPHA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0	700. (G)	
BETA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0	300. (G)	
GAMMA HEXACHLOROCYCLOHEXANE(LINDANE)	NG/L	1.0	4000. (A1)	
ALPHA CHLORDANE	NG/L	2.0	7000. (A1)	
GAMMA CHLORDANE	NG/L	2.0	7000. (A1)	
BLADEX	NG/L	100.	10000. (B3)	
DIELDRIN	NG/L	2.0	700. (A1)	
METHOXYCHLOR	NG/L	5.0 9	00000. (B1)	
ENDOSULFAN 1 (THIODAN I)	NG/L	2.0	74000. (D4)	
ENDOSULFAN 2 (THIODAN II)	NG/L	4.0	74000. (D4)	
ENDRIN	NG/L	4.0	200. (A1)	
ENDOSULFAN SULPHATE (THIODAN SULPHATE	NG /I	4.0	N/A	

	DETECTION

	DE	TECTION		
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE
HEPTACHLOR EPOXIDE	NG/L	1.0	3000.	(A1)
HEPTACHLOR	NG/L	1.0	3000.	(A1)
METOLACHLOR	NG/L	500.	50000.	(B3)
MIREX	NG/L	5.0	N/A	
OXYCHLORDANE	NG/L	2.0	N/A	
O,P-DDT	NG/L	5.0	30000.	(A1)
PCB	NG/L	20.0	3000.	(A2)
O, P-DDD	NG/L	5.0	N/A	
PPDDE	NG/L	1.0	30000.	(A1)
PPDDT	NG/L	5.0	30000.	(A1)
ATRATONE	NG/L	50.	N/A	(22)
ALACHLOR	NG/L	500.	35000. 52500.	(D2)
PROMETONE	NG/L	50. 50.	16000.	(D3)
PROPAZINE	NG/L NG/L	50.	1000.	(D2) (B3)
PROMETRYNE	NG/L	100.	80000.	(B2)
SENCOR (METRIBUZIN) SIMAZINE	NG/L	50.	10000.	(B3)
SIMPINE	110,2		200001	(20)
POLYAROMATIC HYDROCARBONS				
PHENANTHRENE	NG/L	10.0	N/A	
ANTHRACENE	NG/L	1.0	N/A	
FLUORANTHENE	NG/L	20.0	42000.	(D4)
PYRENE	NG/L	20.0	N/A	
BENZO(A) ANTHRACENE	NG/L	20.0	N/A	
CHRYSENE	NG/L	50.0	N/A	
DIMETHYL BENZO(A) ANTHRACENE	NG/L	5.0	N/A	
BENZO(E) PYRENE	NG/L	50.0	N/A	
BENZO(B) FLUORANTHENE	NG/L	10.0	N/A	
PERYLENE	NG/L	10.0	N/A	
BENZO(K) FLUORANTHENE	NG/L	1.0	N/A 10.	(B1)
BENZO (A) PYRENE	NG/L	5.0 20.0	N/A	(51)
BENZO(G, H, I) PERYLENE	NG/L NG/L	10.0	N/A	
DIBENZO(A,H)ANTHRACENE INDENO(1,2,3-C,D)PYRENE	NG/L	20.0	N/A	
BENZO(B) CHRYSENE	NG/L	2.0	N/A	
CORONENE	NG/L	10.0	N/A	
SPECIFIC PESTICIDES				
TOXAPHENE	NG/L	N/A	5000.	(A1)
2,4,5-TRICHLOROBUTYRIC ACID	NG/L	50.	200000.	(B4)
(2,4,5-T)				
2,4-DICHLOROBUTYRIC ACID (2,4-D)	NG/L	100.	100000.	(A1)
2,4-DICHLORORPHENOXYBUTYRIC ACID	NG/L	200.	18000.	(B3)
2,4-D PROPIONIC ACID	NG/L	100.	N/A	
DICAMBA	NG/L	100.	120000.	(B1)
PICLORAM	NG/L	100.	190000.	(B3)
SILVEX (2,4,5-TP)	NG/L	50.	20000.	(A1)
DIAZINON	NG/L	20.	20000. N/A	(B1)
DICHLOROVOS	NG/L	20.	N/A	
DURSBAN	NG/L NG/L	20. 20.	35000.	(G)
ETHION	NG/L NG/L	N/A	20000.	(B1)
GUTHION (AZINPHOSMETHYL)	NG/L NG/L	20.	190000.	(B1)
MALATHION MEVINPHOS	NG/L	20.	N/A	,,
METHYL PARATHION	NG/L	50.	7000.	(A1)
METHYLTRITHION	NG/L	20.	N/A	
1102	/-		•	

	DETECTION			
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE
PARATHION	NG/L	20.	50000.	(B1)
PHORATE (THIMET)	NG/L	20.	2000.	(B3)
RELDAN	NG/L	20.	N/A	
RONNEL	NG/L	20.	N/A	
AMINOCARB	NG/L	N/A	N/A	
BENONYL	NG/L	N/A	N/A	
BUX (METALKAMATE)	NG/L	2000.	N/A	
CARBOFURAN	NG/L	2000.	90000.	(B1)
CICP (CHLORPROPHAM)	NG/L	2000. 3	50000.	(G)
DIALLATE	NG/L	2000.	30000.	(H)
EPTAM	NG/L	2000.	N/A	
IPC	NG/L	2000.	N/A	
PROPOXUR (BAYGON)	NG/L	2000.	90000.	(G)
SEVIN (CARBARYL)	NG/L	200.	90000.	(B1)
SUTAN (BUTYLATE)	NG/L	2000. 24	15000.	(EQ)
VOLATILES				
BENZENE	UG/L	.050	5.0	(B1)
TOLUENE	UG/L	.050		(B4)
ETHYLBENZENE	UG/L	.050		(B4)
PARA-XYLENE	UG/L	.100		
META-XYLENE	UG/L	.100	300.	
ORTHO-XYLENE	UG/L	.050	300.	
1,1-DICHLOROETHYLENE	UG/L	.100		(D1)
ETHLYENE DIBROMIDE	UG/L	.05		5 G)
METHYLENE CHLORIDE	UG/L	.500	50.	(B1)
TRANS-1,2-DICHLOROETHYLENE	UG/L	.100	70.	(D5)
1,1-DICHLOROETHANE	UG/L	.100	N/A	(20)
CHLOROFORM	UG/L	.100	•	(A1+)
1,1,1-TRICHLOROETHANE	UG/L	.020	200.	
1,2-DICHLOROETHANE	UG/L	.050		(D1)
CARBON TETRACHLORIDE	UG/L	.200		(B1)
1,2-DICHLOROPROPANE	UG/L	.050		(D5)
TRICHLOROETHYLENE	UG/L	.100	50.	
DICHLOROBROMOMETHANE	UG/L	.050		,
1,1,2-TRICHLOROETHANE	UG/L	.050		O(D4)
CHLORODIBROMOMETHANE	UG/L	.100	350.	
TETRACHLOROETHYLENE	UG/L	.050		(C2)
BROMOFORM	UG/L	.200	350.	
1,1,2,2-TETRACHLOROETHANE	UG/L	.050		7 (D4)
CHLOROBENZENE	UG/L	.100		(D5)
1,4-DICHLOROBENZENE	UG/L	.100		(B4)
1,3-DICHLOROBENZENE	UG/L	.100	130.	(G)
1,2-DICHLOROBENZENE	UG/L	.050		(B4)
TRIFLUOROCHLOROTOLUENE	UG/L	.100	N/A	(2.)
TOTAL TRIHALOMETHANES	UG/L	.500	350.	(A1)
STYRENE	UG/L	.05	140.	(D5)
	•			



